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PUBLIC DOCUMENT . . . . . No. 30.

TWENTIETH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WESTBOROUGH INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1904.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1905.

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RICHMOND COTTAGES.

PUBLIC DOCUMENT . . . . . No. 30.

35th

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Mass.: Westborough State Hospital (Insane

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JAN 31 1921
STATE HOUSE, BOSTON
Mass. Officials

Approved by

The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN M. MERRIAM, *Chairman*,	South Framingham.
ELIZA C. DURFEE, *Secretary*,	Fall River.
BENJAMIN W. CHILDS,	Worcester.
JOHN L. COFFIN, M.D.,	Northborough.
SARAH B. WILLIAMS,	Taunton.
EDWARD HAMLIN,	Boston.
LEWIS R. SPEARE,	Newton.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	1,800
CLIFFORD J. HUYCK, M.D., *Assistant Physician*,	1,000
IDA J. BROOKS, M.D., *Assistant Physician*,	1,000
E. RAY BUHRMAN, M D., *Assistant Physician*,	1,000
ALBERTA S. BOOMHOWER, M.D., *Assistant Physician*,	600
WILLIAM W. COLES, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,200
MELVILLE L. STACEY, *Steward*,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, South Framingham,	$450

Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully present their twentieth annual report as follows: —

Probably the one fact common to all annual reports from the trustees of insane hospitals and asylums in Massachusetts is the increase of population from year to year. This fact will be especially prominent in the reports for the past year by reason of the so-called State care law, which went into effect Jan. 1, 1904, and under the operation of which many of the insane hitherto cared for in town almshouses have been transferred to State institutions. Four hundred and forty-four patients have been received at this hospital during the past year and 404 have been discharged. There has been, therefore, a net increase in the number of patients Sept. 30, 1904, over the number Sept. 30, 1903, of 40, and an increase in the daily average number of patients from 753.68 to 822.34. In spite of this increase, however, the patients have been better cared for during the past year than during previous years. This has been made possible by reason of the occupancy of the recent new buildings, and especially of the new west wing, as it has been called, a convenient and fireproof addition, arranged to accommodate 100 chronic disturbed cases. The rear wards of the hospital, where there was the greatest crowding, noise and confusion, have been greatly relieved, beds have been removed from corridors, and many patients who formerly were crowded into dormitories now have single or double rooms.

The weekly per capita cost appears from the treasurer's statement to be $4.01 $\frac{1}{10}$. In these figures, however, have been included several items for extraordinary repairs, and if these are

excluded the weekly per capita cost becomes 3.88\frac{4}{10}$. A large factor in the determination of this cost is the number of nurses and attendants. This number is slightly greater than in former years, but the trustees do not feel that it can be reduced without sacrificing the welfare of the patients and requiring of the nurses and attendants unusual hours of service.

The new construction is reviewed by the superintendent in his report. The trustees have been particularly pleased with the nurses' homes, two of which have been finished and occupied during the past year, and the third is almost finished. The Legislature appropriated $25,000 for the construction of these nurses' homes. They will be built at a total expense of less than $22,000, and the work has been done entirely by hospital employees, under the supervision of the hospital carpenter. These three nurses' homes will accommodate 54 nurses at a total cost considerably less than half of what has been spent to construct the large institutional nurses' homes elsewhere for the same or a smaller number of nurses.

This experiment has proved so successful that the three buildings for occupancy by the engineer and male employees and male attendants are now being built according to this same plan, and also the superintendent's house. Unless unforeseen difficulties arise these buildings will be constructed at a great saving over the probable cost under the ordinary plan of awarding contracts.

During the severe winter of 1903–04 much difficulty was experienced by reason of ice which formed in the unprotected water tank, which is the principal source of supply for the hospital for all domestic purposes. This tank was constructed some eighteen years ago of boiler plates of varying thickness, placed upon a high masonry tower. These plates are single riveted at intervals somewhat further apart than is usual. Ice formed on the inside of the tower to a thickness of two or three feet and in the centre to the thickness of six feet. Several of the rivets were broken and the plates severely strained. In the judgment of an experienced boiler maker and of competent engineers it has been deemed unsafe to expose this tank, in its unprotected condition, to the severe cold of another winter, and with the approval of the State Board of Insanity and of the

NURSES' HOMES.

Governor and Council, before whom these facts were placed, the trustees have arranged to cover this entire structure with boards, paper and shingles, at an expense not exceeding $3,500. This has been done in order to avert the imminent danger of serious calamity which would result in case of the failure of this tank in the depth of winter, when it would be exceedingly difficult to repair it. Such a disaster would cripple the entire pumping and heating apparatus of the hospital, and would surely increase, in a very great degree, the danger of loss of life in case of fire. This money has been taken from the current receipts of the hospital, and the trustees request that an appropriation be granted, reimbursing the hospital funds for this expenditure.

The trustees are much concerned over the question of an adequate and permanent water supply, and have already called attention, in their former reports, to the possibility of obtaining water from the metropolitan water aqueduct. They have caused a survey and plan to be made to accomplish this end, and they attach to this report the report of the engineer outlining this work. The total cost of this will not exceed $35,000. This is larger than the estimate first given to the trustees and seems a large appropriation. In view, however, of the absolute necessity to an institution of large and increasing population, already numbering 1,200 persons, of a satisfactory and sufficient water supply, and of the permanent character of this improvement, we feel that this expenditure is justified. We also feel that, in view of the participation of the Commonwealth as a whole in the construction of the metropolitan water system, and of the fact that the credit of the Commonwealth is pledged to provide for the accomplishment of this great object, generous provision should be made for an institution of the Commonwealth located near the metropolitan water aqueduct, so that water can be obtained at a nominal cost.

The only other object requiring appropriation is the building of a laundry to be used in connection with the Richmond colony, for which the trustees request an appropriation of $3,000. No provision has been made to furnish the superintendent's house, which will be finished in the spring. The trustees in the beginning requested $12,000 to construct and

furnish this house. This amount was reduced to $8,000, without provision, however, for furnishings. The trustees have saved at least $3,000 from the appropriation for nurses' homes, and request that the unexpended balance of this appropriation be made available for fixtures and furniture for the superintendent's house. In this way this object will be accomplished without additional appropriation.

This report is the twentieth annual report submitted by the trustees of this hospital. The act incorporating this hospital was approved June 3, 1884, and provided for the establishment at Westborough, in the building then occupied by the State reform school, of a hospital to be conducted upon the principles of medicine known as homœopathic. This legislation met with considerable opposition, and it is interesting, therefore, to review briefly the development of the hospital in these twenty years of its existence. The discarded buildings of the State Reform School were remodelled and made available for 325 patients. The hospital was opened in the year 1886, and received before Oct. 1, 1887, 309 patients. The average population, as has already been stated, during this past year was 822.34, and the largest population at any time was 863. In the history of the institution 6,181 different cases of insanity are recorded on the books of the hospital.

The buildings of the old reform school, even when remodelled, proved utterly inadequate for this increasing population. Adjoining farms from time to time have been purchased, so that now the hospital grounds almost encircle Chauncy Lake, the total acreage being 547.22. Colonies for 100 men and 100 women have been established at some distance from the older buildings. A modern building for the convalescent quiet insane has been constructed and equipped, and a like building for the cases of acute mania is now in process of construction. The new nurses', attendants' and employees' homes will furnish to the occupants a quiet, homelike environment, which will contribute much to contentment and length of service.

The classification afforded by these additions and improvements has promoted the scientific care and treatment of the insane. From the beginning the treatment at the Westborough Insane Hospital has resulted in a uniformly high rate of recov-

eries. During the year 1902–03 71 persons were discharged as recovered, 52 as much improved and 47 as improved, and during the past year 78 have been discharged as recovered, 34 as much improved and 34 as improved. Certain classes of insanity are recognized by alienists as incurable. In the remaining classes there is hope of recovery. The percentage of recoveries based upon the total number of these curable cases has approximated 75.

The trustees feel that it is due their superintendent and his assistant physicians that emphasis should be placed upon this record at this time. For the past two years the immediate care of all curable cases has been assigned to the assistant superintendent, Dr. Henry I. Klopp, who has given to this work untiring devotion, with marked success. The large number of voluntary patients at Westborough is further evidence of the successful efforts of the superintendent and his assistants in relieving the harsh conditions formerly surrounding life at an insane hospital. In 1902–03 there were 29 cases of voluntary patients in the five State insane hospitals and of these, 16 were at Westborough.

The hospital has been fortunate in its physicians and other officers, particularly in their length of service and their loyalty to the institution. Both the superintendent and assistant superintendent have declined positions with far greater pecuniary returns than their present salaries. No changes have taken place in the personnel of the Board of Trustees during the past year.

The records of the superintendent, pathologist, treasurer and consulting board, together with the statistics required by law, are appended to this report.

JOHN M. MERRIAM, *Chairman.*
ELIZA C. DURFEE, *Secretary.*
BENJAMIN W. CHILDS,
JOHN L. COFFIN, M.D.,
SARAH B. WILLIAMS,
EDWARD HAMLIN,
LEWIS R. SPEARE,

Trustees.

Oct. 13, 1904.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Sept. 30, 1904.

The following table shows the movement of population for the past year: —

	Men.	Women.	Totals.
Patients in the hospital Sept. 30, 1904,	341	461	802
Admissions within the year,	187	257	444
Whole number of cases within the year,	528	712	1,246
Dismissed within the year,	202	202	404
Viz., as recovered at the time of leaving the hospital,	23	55	73
much improved,	21	13	34
improved,	17	17	34
not improved,	13	10	23
not insane,	10	17	27
Died,	63	44	107
Transferred,	30	19	49
Escaped,	7	–	7
On visit,	18	27	45
Patients remaining Sept 30, 1904,	326	516	342
Daily average number of patients,	335.82	486.52	822.34

During the hospital year there were 444 admissions, this being 87 more than in the previous year. Of these, 409 were commitments of the insane and 10 commitments of inebriates. There were received by transfer by the State Board of Insanity 51 and there were 25 voluntary patients. Two escaped patients were returned. There were 404 patients dismissed within the year, 176 of these going to their homes and friends.

The State Board of Insanity removed 70 persons, sending 31 to other institutions, 17 to boarding out and 22 to outside of the State. There were 107 deaths. There were 7 patients who escaped and were not returned, and there are 45 patients out on visit.

The hospital has been very free from contagious disease the past year. One case of scarlet fever required isolation and there were two mild cases of measles.

We have adopted this year the classification of Kraeplin in making diagnosis of mental disease. This, although unfortunate in some of its terminology, is much better than any other hitherto presented to alienists, and the name given to a disease means no letting up in the measures for treatment of cases.

The training school has graduated 23 nurses in the past hospital year. Consideration is being given to the matter of extending the course to three years, whenever it is possible in the third year to give the nurses sufficient return for an additional year of service.

The building for chronic disturbed patients, under construction a year ago, was completed and occupied last June, and I can report that these wards are admirably well adapted to the needs of this class of patients, making them happier and also rendering the work of the nurses easier.

Two of the cottages for women nurses are completed, furnished and occupied, and the third is nearly ready for use. These cottages are really homes, where the nurses, when away from labor, can drop all feeling of responsibility and get the entire change and rest that best prepares them for their hours of duty. The nurses now in the homes appreciate these privileges very much.

Under the appropriation of the Legislature of 1904 the work of construction has been forwarded as follows: —

Plans for the building for acute disturbed cases were prepared, approved and the contract given to the lowest bidder, Mr. Ernest T. Wilson of Natick, Mass. This building is situated convenient to the Talbot building, but so placed that the noise made by the patients will not annoy those in the other building. It is externally similar in construction to the Talbot building, but inside is of cement, concrete construction and

practically fire proof. I expect the building to be completed and occupied by March 1, 1905.

Plans for buildings for male employees and nurses were made and approved; and one building for male employees, with the engineer and family, in charge of the hospital carpenter, Mr. Richardson, is approaching completion, and the foundations have been put in for two other buildings for male nurses, which are similar, in construction, to those for women nurses. These will not be ready until some time in the spring.

The plan for a house for the superintendent was approved and work begun during the past summer. The erection is also in charge of the hospital carpenter and will be finished in the early spring.

The appropriation of $5,000 by the Legislature of 1902, for better accommodations for the pathologist and for an operating room, was continued by the General Court of 1904. The State Board of Insanity has approved plans for an operating room, material has been ordered, and undoubtedly the room will be completed in the early winter. The $7,000 for a fireproof building for the pathologist will be used for that purpose after a site is available. In order to be convenient to the building for acute cases, it will be erected on the foundation of the old Peters house, which will be torn down when the new building for employees is occupied. It is planned to construct a concrete building, that will insure the safety of the collection of pathological material, which is becoming more valuable each year.

The Legislature permitted the use of $12,000 of current expense money for changes in our electric lighting plant. The Westinghouse Electric and Manufacturing Company received the contract for generators, motors and switch board, and the American Engine Company the contract for a one hundred and fifty horse-power high-speed engine, and it is expected that the changes will be completed by the middle of November.

The State Board of Insanity did not approve of our request of a year ago for an appropriation for a permanent good supply of water, believing other matters more urgent at the time. In the past year conditions have become worse. The State Board of Health pronounces our drinking water as safe, and it is true

that we have had no diseases resulting from contaminated water since we have been using driven well water for drinking purposes; but it has a perceptible odor and an unpleasant taste, and many of our inmates fail to drink as much water as they should on account of this. The lake water is not clean and is becoming worse for laundry purposes for this reason.

Mr. J. J. Van Valkenburgh, our engineer, has made a careful survey and plan of the best route to enter the open aqueduct of the metropolitan water system, which is 9,000 feet away, and can be reached without land damages, as the route will be wholly upon land of the Metropolitan Water Board and our own, and easy of access by our engineer. I recommend that we ask for an appropriation for this purpose and for the necessary legislation that may be required to give us the right to enter the aqueduct.

The Richmond building for 100 women has now been occupied for over a year and has been satisfactory in inducing many chronic patients, previously idle, to become helpful. Most of these patients wish to do their own washing and ironing, and the hospital laundry has reached its capacity for work in caring for our present population. Relief would come if these women could do their own laundry work, and I believe that they can do this and do not only their own but that of another hundred persons, and I recommend that we ask for an appropriation of $3,000 for the erection and furnishing of a simple building back of the centre of the Richmond group for these patients.

I recommend that an appropriation for furnishing the superintendent's house be asked for.

Mrs. John Felt Osgood gave $100 for the entertainment of the patients. This money has been devoted to this purpose during the winter and spring. Mrs. Lewis Day gave $10 as an Easter gift to the patients, which was used for that purpose. The Hospital Newspaper Society sent three barrels of magazines for the use of patients. Mr. Martin Greene sent the "Scientific American."

Dr. Alberta S. Boomhower was appointed woman physician April 6, 1904, the large increase of women patients and the amount of work required from the physician making such an

addition desirable. Dr. F. A. Webster resigned his position as assistant physician to enter general practice, and Dr. W. W. Coles, a graduate of Boston University School of Medicine, 1904, was appointed in his place.

I thank the officers and heads of departments for their loyal service and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust that it may continue in the year to come.

GEORGE S. ADAMS,
Superintendent.

SEPT. 30, 1904.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

To the Trustees of the Westborough Insane Hospital.

During the year the regular annual and semi-annual meetings of the Board have been held, and the members, acting upon sub-committees for various months, have visited the hospital throughout the year.

Dr. Horace Packard has performed nine operations upon 6 patients: three for ovarian disease; two for perineum and cervix lacerations; and one was suture of the median nerve.

Dr. Suffa examined the eyes of 31 patients and prescribed the glasses most suitable for the various eye difficulties that were disclosed.

The matter of the training school for nurses has been discussed by the Board for a number of years. We recognize the fact that the course in most schools is changing from one of two years' to one of three years' duration. We believe it advisable for the course to be lengthened in this hospital, in order to conform to that in other hospitals. We still believe, however, that a two-year course is sufficiently long in one hospital, especially in hospitals for the insane, and that the added year should be devoted to study, observation and experience in forms of disease not provided in the two-year course. We recommend, therefore, that nurses of this hospital, after two years of satisfactory work, be offered an additional year in some general hospital, where they may learn the nursing needs of surgical, medical and obstetrical cases. We believe that this widened experience will be an advantage to the nurses, to the hospital, and, most of all, to the public.

Our opinion was embodied in the following resolution passed recently at the semi-annual meeting: —

That the Consulting Board recommend to the Board of Trustees that a three-years course for the training school of nurses be instituted as soon as the superintendent can arrange such courses as would offer proper advantages for the nurses.

CONRAD WESSELHOEFT, *Chairman.*
EDWARD P. COLBY.
HORACE PACKARD.
JOHN P. RAND.
GEORGE B. RICE.
CHARLES L. NICHOLS.
HOWARD P. BELLOWS.
GEORGE A. SUFFA.
JOHN P. SUTHERLAND.
N. EMMONS PAINE, *Secretary.*

PATHOLOGIST'S REPORT.

Dr. George S. Adams, *Superintendent Westborough Insane Hospital.*

A report of the work done in the pathological laboratory for the year ending Sept. 30, 1904, is herewith presented.

As in the years preceding it has been the object to make the work of the laboratory useful to the hospital. Each successive year has shown an increase in the number of clinical examinations made and a better co-operation of the laboratory with the ward service. The result has been a correlation of observations; and it is believed that through this correlation we are coming more and more to appreciate more of the psychiatric conditions with which we have to deal.

The appropriation which is now available for the new laboratory will give us better facilities, and it is hoped that through these we will be able to approach, at least, a solution of some of the problems which confront us in a hospital of this character. Much of the work which has been done heretofore has been in the line of the hospital's clinical needs, and this will continue to be the case. Still, as data accumulate, it may be possible, later on, through careful analysis, to apply our observations to specific psychiatric questions in a way that will be valuable. Moreover, with increased laboratory facilities, opportunity will be afforded other members of the staff to undertake the study of special problems in connection with their work. While it is recognized that for each physician there is a special feature of the service which is paramount and to which it is necessary to give the most of his attention, nevertheless, the exact methods required in most laboratory procedures, and the imperative attention to details, will tend not only to closer observations of clinical symptoms, but it is believed will give a correspondingly broader view.

During the year there were twenty-four autopsies, of which twenty-three were complete and one in which permission to examine the brain only was granted. The psychoses of these cases were as follows: —

General paresis,	8
Alcoholic insanity,	2
Senile dementia,	4
Paranoia,	1
Imbecility,	2
Traumatic insanity,	1
Organic dementia,	1
Terminal stage dementia,	–
Præcox,	4
Katatonic excitement,	1
	24

The cerebral cortex, cord and body tissues of all these sections have either been studied or are in course of preparation. In addition there were submitted to the laboratory for examination 1,448 specimens, a total of 1,472 separate examinations.

With the greatest appreciation for the co-operation of the staff and your continued support and encouragement, this report is

Respectfully submitted,

SOLOMON C. FULLER,
Pathologist.

Sept. 30, 1904.

REPORT OF THE ENGINEER.

South Framingham, Mass., Sept. 7, 1904.

Dr. George S. Adams, *Superintendent, Westborough, Mass.*

Dear Sir: — You have requested me to report on the best method of obtaining from the metropolitan aqueduct a water supply for the hospital, and prepare an estimate of the cost of building a station, installing pumping machinery and laying the necessary pipe line to connect the said aqueduct with the water tower of your present system of water works.

I have made surveys to determine the best route for the pipe line and herewith present to you a plan showing its location. It will be seen that the pumping station is located on land of the hospital, at a distance of 3,000 feet from the power plant. The open channel of the metropolitan water works is tapped at a point about 750 feet southerly of the gate house, and the water conducted by a 12-inch cast-iron suction pipe a distance of 5,070 feet to the said station, where it is forced through 3,660 feet of 10-inch pipe into the water tower at the hospital by means of a triplex power pump. This pump is to be driven by electricity furnished by your present power plant.

The cost of the pipe line would be somewhat reduced were the pumping station located at the source of supply and the 5,070 feet of suction changed to a force-main; for then this section of nearly a mile would not have to be laid to the low grade indicated on the plan. But it is believed that the advantage of having the pumping station comparatively near at hand and on your own land, and the saving in the cost of electrical construction and transmission, will more than offset the expense of laying the suction to the grade as established.

Calling the surface of the water in the open channel elevation 100 feet, then the inlet of the suction pipe is 4 feet below, at

elevation 96 feet. This pipe has a grade of 6 inches in its entire length, so that at the pumping station it is at elevation 96.5 feet. The force-main follows the general contour of the ground and has a cover of about 4½ feet.

The force-main has an upward grade throughout its entire length in order that the accumulating air may readily pass up into the tank. Therefore, a short section of pipe northerly of the institution is laid somewhat deeper than usual.

The top of the water tower is 191.6 feet above the water in the open channel, and is at elevation 291.6 feet.

It is thought advisable to have the pumping station of such dimensions as will admit at any time of the introduction of pumping machinery in duplicate. It frequently happens that pumping machinery breaks or must be overhauled, and at such times the necessity of having a reserve pump is very apparent.

The proposed triplex power pump has a capacity of 350 gallons per minute, or 21,000 gallons per hour against a head of 200 feet. It will run at about 30 revolutions per minute and will require about a twenty-five horse-power motor to do the specified work.

The station is brick, with a slate roof and concrete floor. The estimated cost of constructing this pumping plant is as follows: —

5,070 lineal feet of 12-inch cast-iron pipe, at $3.50,	$17,745 00
3,660 lineal feet of 10-inch cast-iron pipe, at $2,	7,320 00
Check valves, gates, screens, covers and connections,	475 00
Inlet house,	425 00
Brick pumping station,	1,600 00
Excavations, foundations and concrete floor,	1,390 00
One triplex power pump,	1,200 00
Connections and setting,	550 00
Foundations,	200 00
	$30,905 00
Add 10 per cent. for inspection and contingencies,	3,090 50
	$33,995 50

Yours respectfully,

J. J. VAN VALKENBURGH.

TREASURER'S REPORT

For Year ending Sept. 30, 1904.

Assets.

197 acres cultivated land, 123 acres pasturings, 83 acres woodland, 36 acres meadows, 17 acres sprout land, 10 acres unclaimed land, 9 acres graveland, 68 acres lawns, roads, walks, yards, etc., main hospital buildings, Talbot, Richmond, Speare and Dewson cottages, sewage plant, heating plant, farm house, Stanley house, Houghton house, Warren house, Peters house, Osgood cottage, Forbes cottage, Clark cottage, Knights cottage, steward's cottage, small cottage, nurses' homes, main barn, new barn, Stanley barn, Warren barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boat house, Stanley hen house, coach barn, flour and store room, store barn, carpenter shop and vegetable cellar, greenhouse, waiting station, pumping station, ...		$652,475 00

Personal Estate.

Stock and supplies, as per inventory, . .	$121,614 56	
Cash on hand, ...	3,342 12	
		$124,956 68

Receipts

Cash on hand Oct. 1, 1903, ...	$3,322 00	
Received from cities and towns for support of patients, ...	40,095 89	
Received from individuals for support of patients, ...	36,790 90	
Received from soldiers' relief for support of patients, ...	826 36	
Received from interest on bank deposits, .	251 85	
Received from farm and farm products, . .	595 97	
Received from sale of: —		
Material, ... $649 80		
Sewing room material, . . . 294 04		
Junk, ... 116 31		
Buttons and thermometers, . . 37 89		
Sundries, ... 133 35		
	1,231 39	
Amount carried forward, ...	$83,114 36	

Amount brought forward, ...		$83,114 36	
Received from rent, ...		185 00	
Received from horse board, ...		65 00	
Received from board of workmen, . . .		161 40	
Received from freight rebate, ...		3 35	
Received from rebates and discounts, . .		5 64	
Received from wages forfeited, . . .		9 00	
Received from Commonwealth on account of current expenses, ...		167,561 25	
Received from Commonwealth on account of special appropriations, ...		100,086 86	
Received from individuals for support of patients, on account of reimbursements, .		3,689 61	
			$354,881 47

EXPENSES.

1. Salaries and wages, ...		$66,449 69	
2. Food, ...		44,569 09	
3. Clothing and material, ...		3,835 49	
4. Furnishings, ...		6,254 39	
5. Heat, light and power, ...		11,763 87	
6. Repairs and improvements, ...		11,397 89	
7. Farm, stable and grounds, ...		13,059 22	
8. Miscellaneous: —			
Books, periodicals, etc., . .	$359 19		
Chapel services and entertainments, ...	597 00		
Freight, expressage and transportation, ...	5,179 29		
Funeral expenses, . . .	310 00		
Hose, etc., ...	73 88		
Medicine and hospital supplies,	1,290 61		
Medical attendance, . . .	157 88		
Manual training supplies, .	416 63		
Postage, ...	378 20		
Printing and printing supplies,	181 97		
Return of runaways, . . .	78 58		
Soap and laundry supplies, .	1,232 57		
Stationery and office supplies, .	851 53		
Keys, ...	51 52		
Travel and expenses (official),	564 41		
Telephone and telegraph, .	390 95		
Tobacco, ...	436 92		
Water, ...	386 01		
Sundries, ...	1,281 73		
		14,218 87	
Total current expenses, ...		$171,548 51	
Amount carried forward, ...		$171,548 51	

Amount brought forward, ...		$171,548 51	
For salaries and wages due Sept. 30, 1903, ...	$5,137 09		
For miscellaneous bills due Sept. 30, 1903, ...	7,600 05		
		12,737 14	
		$184,285 65	
Less schedule of salaries and wages and miscellaneous bills for September, 1904, approved but unpaid, and included in foregoing itemized statement of current expenses, .		16,928 56	
			$167,357 09
For rebates on account of prepaid board, ...			204 16
For payments to Treasurer of the Commonwealth, account income, ...			80,201 63
For payments to Treasurer of the Commonwealth, account reimbursements, ...			3,689 61
For account of special appropriations, ...			100,086 86
For balance, cash on hand Sept. 30, 1904, ...			3,342 12
			$354,881 47

LIABILITIES.

Salaries and wages due Sept. 30, 1904, . .	$5,516 70	
Miscellaneous bills due Sept. 30, 1904, . .	11,411 86	
		$16,928 56

BILLS RECEIVABLE.

Due hospital for board of patients, Oct. 1, 1904: —		
From cities and towns, ...	$757 23	
From soldiers' relief, ...	144 39	
From individuals, ...	3,004 76	
	$3,906 38	
Balance appropriation for current expenses, .	62,914 46	
		$66,820 84

SUMMARY.

Total receipts, ...	$354,881 47
Total payments, ...	351,539 35
Cash on hand, ...	$3,342 12
Bills receivable, ...	66,820 84
Total available assets, ...	$70,162 96
Total indebtedness, ...	16,928 56

Total current expenses, $171,548.51.
Average number of patients, $822\frac{34}{100}$.
Average weekly cost, $\$4.01\frac{1}{10}$.
Average weekly cost, excluding extraordinary repairs and improvements of $5,437.22, $\$3.88\frac{4}{10}$.

H. L. DAVENPORT,
Treasurer.

Examined and approved,

BENJAMIN W. CHILDS,
JOHN M. MERRIAM,
Auditing Committee.

SPECIAL APPROPRIATIONS.

On the first day of October, 1904, there remained unexpended the following balances of the several special appropriations by the Legislature of 1902 : —

	Balance Oct. 1, 1903.	Expended.	Balance Oct. 1, 1904.
For construction and furnishing building for 100 women patients,	$903 15	$903 15	–
For improvement of heating machinery, ...	50 68	–	$50 68
For extending sewerage system, .	359 76	359 76	–
	$1,313 59	$1,262 91	$50 68

For alteration of main building for pathological work, appropriation, $5,000, reappropriated by the Legislature of 1904.

The Legislature of 1903 made the following special appropriations : —

	Balance Oct. 1, 1903.	Expended.	Balance Oct. 1, 1904.
For erecting and furnishing building for 100 patients, . . .	$70,512 12	$65,691 49	$4,820 63
For erecting and furnishing building for 50 nurses, . . .	25,000 00	19,785 35	5,214 65
For purchase farm machinery and building roads and walks, . .	2,448 35	1,670 30	778 05
	$97,960 47	$87,147 14	$10,813 33

The Legislature of 1904 made the following special appropriations: —

	Appropriation.	Expended.	Balance Oct. 1, 1904.
For building for pathological work,	$7,000 00		
Reappropriated, ...	5,000 00		
	$12,000 00	$70 80	$11,929 20
For constructing and furnishing building for cases of acute insanity, ...	30,000 00	8,436 15	21,563 85
For constructing and furnishing houses for employees, . . .	30,000 00	9,255 17	20,744 83
For superintendent's house, . .	8,000 00	4,945 13	3,054 87
For electric light plant (chapter 56),	12,000 00	3,871 66	8,128 34
	$92,000 00	$26,578 91	$65,421 09

H. L. DAVENPORT,
Treasurer.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Habitual Drunkards.			Voluntary Patients.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1903,	337	446	783	1	8	9	3	7	10	341	461	802
Admitted within the year,	173	236	409	-	10	10	14	11	25	187	257	444
Viz.: by commitment,	161	195	356	-	10	10	14	11	25	175	216	391
by transfer,	10	41	51	-	-	-	-	-	-	10	41	51
from escape,	2	-	2	-	-	-	-	-	-	2	-	2
from visit,	-	-	-	-	-	-	-	-	-	-	-	-
Whole number of cases within the year,	510	682	1,192	-	10	10	17	18	35	528	718	1,246
Dismissed within the year,	189	179	368	1	13	14	12	10	22	202	202	404
Viz.: discharged,	74	95	169	1	11	12	9	6	15	84	112	196
as recovered at time of leaving the hospital,	23	55	78	-	-	-	-	-	-	23	55	78
much improved,	21	13	34	-	-	-	-	-	-	21	13	34
improved,	17	16	33	-	-	-	-	-	-	17	16	33
not improved,	13	10	23	-	-	-	-	-	-	13	10	23
not insane,	-	-	-	1	11	12	9	6	15	10	17	27
Died,	63	41	104	-	-	-	-	3	3	63	44	107
Transferred,	30	20	50	-	-	-	-	-	-	30	20	50
Escaped,	7	-	7	-	-	-	-	-	-	7	-	7
On visit,	15	24	39	-	2	2	3	1	4	18	27	45
Patients remaining Sept. 30, 1904,	321	503	824	-	5	5	5	8	13	326	516	842
Viz. supported as State patients,	283	430	713	-	2	2	-	-	-	283	432	715
town patients,	-	-	-	-	2	2	-	-	-	-	2	2
private patients,	38	73	111	-	1	1	5	8	13	43	82	125
Number of different persons within the year,	-	-	-	-	-	-	-	-	-	524	713	1,237
Number of different persons admitted by commitment,	159	193	352	-	9	9	14	11	25	173	213	386
Number of different persons admitted by transfer,	10	41	51	-	-	-	-	-	-	10	41	51
Persons recovered,	23	55	78	-	-	-	-	-	-	23	55	78
Daily average of patients,	329.53	477.93	807.46	.43	2.13	2.56	5.86	6.46	12.32	335.82	486.52	822.34
Viz.: State patients,	256.21	348.82	600.03	.18	.57	.75	-	-	-	256.39	344.39	600.78
town patients,	38.22	63.22	101.44	.25	.83	1.08	-	-	-	38.47	64.05	102.52
private patients,	35.10	65.89	105.99	-	.73	.73	5.86	6.46	12.32	40.96	78.08	119.04

2. — Insane received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.		
	Males.	Females.	Totals.
First,	148	205	353
Second,	17	20	37
Third,	4	1	5
Fourth,	1	3	4
Fifth,	–	3	3
Sixth,	2	3	5
Seventh,	1	1	2
Total cases,	173	236	409
Total persons,	171	234	405
Never before in any hospital for the insane,	126	152	278

3. — Nativity and Parentage of Insane Persons First admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	51	24	28	57	27	25	108	51	53
Other New England States,	17	15	12	18	20	21	35	35	33
Other States,	9	6	4	15	8	10	24	14	14
Total native,	77	45	44	90	55	56	167	100	100
Austria,	2	2	2	–	–	–	2	2	2
British Provinces,	10	8	10	10	9	13	20	17	23
England,	7	6	7	7	8	8	14	14	15
Finland,	–	–	–	1	1	1	1	1	1
France,	1	1	1	–	–	1	1	1	2
Germany,	4	5	7	2	2	2	6	7	9
Holland,	–	1	–	–	–	–	–	1	–
Ireland,	13	27	26	26	47	44	39	74	70
Italy,	2	2	2	2	2	2	4	4	4
Norway,	1	1	1	1	1	1	2	2	2
Poland,	1	–	–	–	–	–	1	–	–
Porto Rico,	–	–	–	1	1	1	1	1	1
Portugal,	1	1	1	–	–	–	1	1	1
Russia,	1	2	2	3	3	3	4	5	5
Scotland,	1	4	2	3	6	3	4	10	5
Sweden,	4	4	4	4	4	3	8	8	7
Syria,	1	1	1	1	1	1	2	2	2
Wales,	–	1	–	–	–	–	–	1	–
Total foreign,	49	66	66	61	85	83	110	151	149
Unknown,	–	15	16	1	12	13	1	27	29
Totals,	126	126	126	152	152	152	278	278	278

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	-	1	1	-	1	1
Berkshire County,	1	-	1	1	2	3
Bristol County,	2	1	3	2	4	6
Essex County,	-	6	6	-	1	1
Franklin County,	-	-	-	1	-	1
Hampshire County,	-	-	-	1	-	1
Middlesex County,	37	40	77	15	12	27
Nantucket County,	-	-	-	-	1	1
Norfolk County,	14	16	30	3	11	14
Plymouth County,	2	3	5	1	6	7
Suffolk County,	67	75	142	19	43	62
Worcester County,	3	8	11	4	3	7
Unknown,	-	-	-	-	-	-
From New Hampshire,	-	1	1	-	-	-
From New York,	-	1	1	-	-	-
Totals,	126	152	278	47	84	131
Cities and towns,	100	115	215	32	58	90
Country districts,	26	37	63	15	26	41

5. — Civil Condition of Insane Persons First admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	62	65	127
Married,	46	55	101
Widowed,	14	31	45
Divorced,	3	1	4
Unknown,	1	-	1
Totals,	126	152	278

6. — Occupations of Insane Persons First admitted to Any Hospital.

MALES.

Agent,	1	None,	17
Bakers,	2	Office boy,	1
Barber,	1	Operatives,	12
Bartender,	1	Painters,	3
Blacksmiths,	3	Paperhanger,	1
Bookkeeper,	1	Peddler,	1
Butchers,	2	Physician,	1
Carpenters,	2	Plasterer,	1
Cattle dealer,	1	Rubber worker,	1
Cigarmaker,	1	Sailors,	3
Clerk,	1	Salesman,	1
Cutler,	1	Sea captain,	1
Cutter,	1	Seaman,	1
Dentist,	1	Ship joiner,	1
Electrician,	1	Shipper,	1
Engineer,	1	Sign painter,	1
Errand boy,	1	Stair builder,	1
Farmers,	6	Steam fitter,	1
Fisherman,	1	Steward,	1
Gardener,	1	Stone cutters,	2
Grocer,	1	Tailors,	3
Inventor,	1	Teamsters,	2
Janitors,	2	Upholsterer,	1
Jewellers,	2	Victualler,	1
Laborers,	16	Waiter,	1
Lithographer,	1	Watchmaker,	1
Manufacturers,	2	Watchman,	1
Marketman,	1		
Mason,	1	Total,	124
Mechanical engineer,	1	Unknown,	2
Merchants,	2		
Milkman,	1	Total,	126
Motorman,	1		

6. — Occupations of Insane Persons First admitted — Concluded.

FEMALES.

Bookkeeper,	1	None,	26
Boxmakers,	2	Nurses,	2
Clerks,	2	Operatives,	5
Compositor,	1	Seamstresses,	3
Cooks,	2	Shop girl,	1
Copyist,	1	Stenographer,	1
Domestics,	25	Straw worker,	1
Dressmakers,	3	Students,	2
Housekeepers,	4	Tailoress,	1
Housewives,	10	Teachers,	2
Japanner,	1	Waitress,	1
Laundresses,	2	Weavers,	2
Milliners,	3		
Music teacher,	1	Total,	105

WIFE OR DAUGHTER OF —

Blacksmiths,	2	Nurse,	1
Butcher,	1	Painters,	2
Clergyman,	1	Printer,	1
Clerks,	2	Runs on elevator,	1
Dyer,	1	Ropemaker,	1
Electrician,	1	Shoemakers,	2
Engineers,	2	Tailor,	1
Farmers,	3	Teacher,	1
Fireman,	1	Teamsters,	2
Foremen,	2	Victualler,	1
Fruit peddler,	1	Weaver,	1
Grocers,	2		
Hotel keeper,	1	Total,	43
Insurance agent,	1	Unknown,	4
Jeweller,	1		
Laborers,	3	Total,	47
Lawyer,	1		
Machinists,	2	Whole total,	152
Mason,	1		

7. — Probable Causes of Mental Disease in Persons First admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Intemperance.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Apoplexy,	8	3	11	-	-	-	-	-	-	-	-	-
Climaxis,	-	5	5	-	-	-	-	-	-	-	-	-
Congenital,	5	4	9	-	-	-	-	-	-	-	-	-
Drug habit,	-	1	1	-	-	-	-	-	-	-	-	-
Ill health,	6	19	25	3	3	6	-	-	-	-	-	-
Injury,	10	1	11	-	-	-	-	-	-	-	-	-
Intemperance,	28	5	33	1	-	1	-	-	-	28	5	33
Lactation,	-	2	2	-	-	-	-	-	-	-	-	-
Overwork,	4	6	10	1	-	1	1	2	3	-	-	-
Physical disease,	6	1	7	1	-	1	-	-	-	-	-	-
Pregnancy,	-	1	1	-	-	-	-	-	-	-	-	-
Puerperal,	-	1	1	-	-	-	-	-	-	-	-	-
Senility,	13	18	31	-	-	-	-	-	-	1	-	1
Shock,	1	2	3	-	-	-	-	-	-	-	-	-
Sunstroke,	2	1	3	-	-	-	-	-	-	-	-	-
Syphilis,	14	2	16	-	1	1	-	-	-	1	-	1
Totals,	97	72	169	6	4	10	1	2	3	30	5	35

Mental: —												
Disappointment,	-	1	1	-	-	-	-	-	-	-	-	-
Epilepsy,	3	-	3	-	-	-	-	1	1	-	-	-
Fright,	-	1	1	-	1	1	-	-	-	-	-	-
Grief,	-	3	3	-	-	-	-	-	-	-	-	-
Heredity,	5	12	17	5	12	17	-	1	1	-	-	-
Overstudy,	1	-	1	-	-	-	-	-	-	-	-	-
Religious excitement,	-	3	3	-	-	-	-	-	-	-	-	-
Religious excitement and ill health,	-	1	1	-	-	-	-	-	-	-	-	-
Worry,	7	16	23	2	2	4	2	-	2	-	-	-
Worry and fear,	-	2	2	-	-	-	-	-	-	-	-	-
Worry and grief,	1	3	4	-	-	-	-	-	-	-	-	-
Worry and ill health,	-	1	1	-	-	-	-	-	-	-	-	-
Worry and overwork,	-	1	1	-	-	-	-	-	-	-	-	-
Totals,	17	44	61	7	15	22	2	2	4	30	5	35
Unknown,	12	36	48	-	-	-	-	-	-	-	-	-
Totals,	126	152	278	13	19	32	3	4	7	30	5	35

8. — Ages of Insane at First Attack, Admission and Death.

AGES.	Persons First admitted to Any Hospital.						Persons died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	5	4	9	–	–	–	3	–	3	–	–	–
15 years and less,	–	1	1	–	–	–	–	–	–	–	–	–
From 15 to 20 years,	5	9	14	6	11	17	–	2	2	1	–	1
20 to 25 years,	8	9	17	16	11	27	–	2	2	1	1	2
25 to 30 years,	10	18	28	11	19	30	2	1	3	2	1	3
30 to 35 years,	8	14	22	11	19	30	1	4	5	3	3	6
35 to 40 years,	4	9	13	8	13	21	3	3	6	4	3	7
40 to 50 years,	17	23	40	20	27	47	11	3	14	14	4	18
50 to 60 years,	18	20	38	25	24	49	7	8	15	15	8	23
60 to 70 years,	15	11	26	14	17	31	8	10	18	9	13	22
70 to 80 years,	8	7	15	12	10	22	4	3	7	9	7	16
Over 80 years,	1	1	2	3	1	4	2	–	2	5	1	6
Totals,	99	126	225	126	152	278	41	36	77	63	41	104
Unknown,	27	26	53	–	–	–	22	5	27	–	–	–
Totals,	126	152	278	126	152	278	63	41	104	63	41	104
Mean known ages (in years),	43.58	40.25	41.71	45.04	42.32	43.19	50.19	49.83	50.26	54.30	56.82	55.60

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	5	4	9
Under 1 month,	19	37	56
From 1 to 3 months,	19	29	48
3 to 6 months,	18	14	32
6 to 12 months,	4	7	11
1 to 2 years,	15	14	29
2 to 5 years,	7	9	16
5 to 10 years,	10	8	18
10 to 20 years,	3	4	7
Over 20 years,	–	–	–
Totals,	100	126	226
Unknown,	26	26	52
Totals,	126	152	278
Average known duration (in years),	2.77	2.10	2.40

10. — Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

FORM OF DISEASE.	Cases admitted.			Cases discharged.																	
				Recovered.			Much improved.			Improved.			Not improved.			Died.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity,	24	6	30	7	3	10	-	-	-	2	-	2	-	-	-	4	-	4	13	3	16
Dementia, organic,	11	3	14	-	-	-	-	-	-	-	-	-	2	-	2	5	-	5	7	-	7
Dementia, præcox,	26	27	53	3	5	8	2	4	6	2	3	5	3	1	4	1	-	1	11	13	24
Dementia, senile,	16	21	37	-	-	-	-	-	-	1	3	4	-	-	-	14	13	27	15	16	31
Dementia, terminal,	1	8	9	-	-	-	-	-	-	1	1	2	2	-	2	2	5	7	5	6	11
Epileptic insanity,	3	4	7	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Exhaustion psychosis,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2
General paresis,	20	6	26	-	-	-	-	1	1	3	-	3	1	-	1	20	5	25	24	6	30
Hysterical insanity,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imbecility,	5	4	9	-	-	-	-	-	-	-	-	-	2	-	2	3	-	3	5	-	5
Manic depressive,	7	38	45	8	34	42	1	2	3	-	-	-	-	1	1	-	1	1	9	38	47
Involution melancholia,	2	11	13	-	3	3	2	-	2	-	-	-	2	-	2	-	-	-	4	3	7
Paranoia,	2	15	17	-	-	-	4	1	5	3	3	6	1	2	3	2	2	4	10	8	18
Toxic insanity,	-	1	1	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	3	3
Traumatic insanity,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Undiagnosed,	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total A,	126	152	278	18	47	65	9	9	18	13	10	23	13	4	17	53	27	80	106	97	203

B — Other admissions: —																					
Alcoholic insanity,	6	2	8	-	1	1	2	1	3	-	-	-	-	-	-	1	-	1	3	2	5
Dementia, organic,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia, præcox,	10	11	21	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Dementia, senile,	3	7	10	-	-	-	-	-	-	-	-	-	-	2	2	1	2	3	1	4	5
Dementia, terminal,	3	12	15	-	-	-	2	-	2	2	2	4	-	-	-	1	7	8	5	9	14
Epileptic insanity,	2	1	3	-	-	-	-	-	-	-	1	1	-	1	1	-	1	1	-	3	3
General paresis,	6	2	8	-	-	-	2	-	2	-	-	-	-	-	-	6	1	7	8	1	9
Imbecility,	2	1	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Manic depressive,	7	27	34	4	6	10	3	2	5	-	1	1	-	-	-	-	-	-	7	9	16
Involution melancholia,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paranoia,	5	17	22	-	-	-	2	1	3	2	3	5	-	3	3	1	3	4	5	10	15
Undiagnosed,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total B,	47	84	131	5	8	13	12	4	16	4	7	11	-	6	6	10	14	24	31	39	70
Aggregate cases,	173	236	409	23	55	78	21	13	34	17	17	34	13	10	23	63	41	104	137	136	273
Aggregate persons,	171	234	405	23	55	78	21	13	34	17	17	34	13	10	23	63	41	104	137	136	273

11. — Discharges of the Insane classified by Admission and Result.

NUMBER OF THE ADMISSION.	Recovered.			Much improved.			Improved.			Not improved.			Died.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	19	48	67	14	12	26	15	13	28	13	9	22	59	37	96	120	122	242
Second,	1	5	6	4	1	5	2	3	5	–	1	1	–	3	3	7	13	20
Third,	2	–	2	–	–	–	–	–	–	–	–	–	4	1	5	6	1	7
Fourth,	–	1	1	1	–	1	–	–	–	–	–	–	–	–	–	1	1	2
Fifth,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	2	2
Sixth,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1
Seventh,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	2	–	2
Total cases,	23	55	78	21	13	34	17	17	34	13	10	23	63	41	104	137	139	276
Total persons,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	136	139	275
First admitted to any hospital,	18	47	65	9	9	18	13	10	23	13	4	17	53	27	80	106	97	203

12. — *Causes of Death, and Form of Mental Disease in Persons who died.*

CAUSES.	Aggregates.			Manic Depressive.			Dementia Praecox.			Alcoholic Insanity.			Exhaustion Psychosis.			Traumatic Insanity.			Paranoia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
terminal dementia,	1	8	9	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
senile dementia,	11	15	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
general paresis,	24	5	29	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
paranoia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
epileptic insanity,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
syphilitic insanity,	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
manic depressive,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute leptomeningitis,	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute myelitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Status epilepticus,	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Pacchymeningitis and hæmorrhagica interna,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Respiratory system: —																					
Pneumonia,	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pneumonia and tuberculosis,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Circulatory system: —																					
Rheumatic fever and cardiac disease,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apoplexy,	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Internal hemorrhage,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General: —																					
Accidental burn,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic diarrhœa,	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Accidental strangulation,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interstitial nephritis and cystitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Effect of severe burns,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Intestinal obstruction,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
General tuberculosis,	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diffuse nephritis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Carcinoma of abdominal organs,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tubercular peritonitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Totals,	63	41	104	1	2	3	1	-	1	3	-	3	1	1	2	1	-	1	3	3	6

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	Epileptic Insanity.			General Paresis.			Terminal Dementia.			Senile Dementia.			Organic Dementia.			Imbecility.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																		
Exhaustion of organic dementia,	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
terminal dementia,	-	-	-	-	-	-	1	6	7	-	-	-	-	-	-	-	-	-
senile dementia,	-	-	-	-	-	-	-	-	-	11	13	24	-	-	-	-	-	-
general paresis,	-	-	-	23	7	30	-	-	-	-	-	-	-	-	-	-	-	-
paranoia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
epileptic insanity,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
syphilitic insanity,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
manic depressive,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute leptomeningitis,	-	-	-	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Acute myelitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Status epilepticus,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pacchymeningitis and hæmorrhagica interna,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory system: —																		
Pneumonia,	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1	-	-	-
Pneumonia and tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	-	2
Circulatory system: —																		
Rheumatic fever and cardiac disease,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Apoplexy,	-	-	-	-	-	-	-	2	2	-	-	-	-	1	1	-	-	-
Internal hemorrhage,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
General: —																		
Accidental burn,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Chronic diarrhœa,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental strangulation,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Interstitial nephritis and cystitis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Effect of severe burns,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General tuberculosis,	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	-	-
Diffuse nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of abdominal organs,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Tubercular peritonitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	-	2	2	29	7	36	2	10	12	15	14	29	4	2	6	3	-	3

13. — Duration of Mental Disease and its Treatment in Persons recovered and died.

Period.	First admitted to any hospital.									All other admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Congenital,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	4	17	21	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	3	11	14	3	8	11	2	4	6	–	–	–	–	–	–
3 to 6 months,	2	5	7	8	21	29	5	19	24	–	–	–	–	–	–
6 to 12 months,	3	3	6	4	15	19	5	15	20	1	1	2	1	2	3
1 to 2 years,	2	4	6	2	5	7	3	8	11	2	2	4	4	2	6
2 to 5 years,	1	–	1	1	–	1	3	1	4	1	2	3	–	2	2
5 to 10 years,	–	1	1	–	–	–	–	1	1	1	1	2	–	–	–
10 to 20 years,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	15	42	57	18	49	67	18	49	67	5	6	11	5	6	11
Unknown,	3	7	10	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	18	49	67	18	49	67	18	49	67	5	6	11	5	6	11
Average of known cases (in months),	7.20	5.50	5.96	6.72	5.67	5.95	12.72	9.84	10.60	30.30	31.33	30.86	17.00	16.66	16.82

13. — Duration of Mental Disease and its Treatment in Persons recovered and died — Concluded.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —															
Congenital,	3	–	3	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	5	6	11	11	4	15	3	3	6	–	–	–	1	–	1
From 1 to 3 months,	4	3	7	5	4	9	2	1	3	2	–	2	1	1	2
3 to 6 months,	9	4	13	3	2	5	4	–	4	–	–	–	–	1	1
6 to 12 months,	2	1	3	10	3	13	10	3	13	2	3	5	2	4	6
1 to 2 years,	4	2	6	10	9	19	9	5	14	1	1	2	2	1	3
2 to 5 years,	4	5	9	12	3	15	15	10	25	4	2	6	4	3	7
5 to 10 years,	3	2	5	2	2	4	6	4	10	1	3	4	–	2	2
10 to 20 years,	1	1	2	–	–	–	2	1	3	–	2	2	–	2	2
Over 20 years,	–	–	–	–	–	–	2	–	2	–	3	3	–	–	–
Totals,	35	24	59	53	27	80	53	27	80	10	14	24	10	14	24
Unknown,	18	3	21	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	53	27	80	53	27	80	53	27	80	10	14	24	10	14	24
Average of known cases (in months),	36.87	17.50	29.18	17.87	19.35	18.40	45.40	33.50	41.15	29.57	174.40	121.71	16.43	68.55	49.81

LIST OF PERSONS

Employed at Westborough Insane Hospital Sept. 30, 1904.

Superintendent and physician,	$3,000 00	per year.
Assistant superintendent and physician,	1,800 00	"
Assistant physicians (three), each,	1,000 00	"
Assistant physicians (two), each,	600 00	"
Pathologist,	1,200 00	"
Steward,	1,200 00	"
Treasurer,	450 00	"
Clerk,	50 00	per month.
Clerk, assistant,	30 00	"
Secretary to superintendent,	30 00	"
Record clerk,	35 00	"
Pharmacist,	18 00	"
Supervisor (male),	55 00	"
Supervisor (female),	75 00	"
Assistant supervisor (female, two), each,	25 00	"
Head seamstress,	30 00	"
Seamstresses (four),	$14 00 to 20 00	"
Nurses (male, forty-one),	20 00 to 33 00	"
Nurses (female, sixty),	14 00 to 25 00	"
Night watchman,	32 00	"
Baker,	80 00	"
Storekeeper,	28 00	"
Meat cutter,	40 00	"
Office girl,	16 00	"
Hall boy,	12 00	"
Housekeeper,	25 00	"
Cook (male),	55 00	"
Cook (female),	28 00	"
Cook (Talbot, female),	30 00	"
Cook (Stanley, female),	24 00	"
Cook (Osgood, female),	24 00	"
Cook (Warren, female),	25 00	"
Cook (Speare, female),	24 00	"
Cook (Richmond, female),	25 00	"
Cook (farm house, female),	25 00	"
Under cook,	22 00	"
Head laundress,	50 00	"

Laundry helpers (male, two),	$25 00	and	$30 00	per month.
Laundry helpers (female, five),	16 00	to	20 00	"
Kitchen helpers (male, three),	14 00	to	20 00	"
Kitchen helpers (female, three),	14 00	to	18 00	"
Basement boys (three),	16 00	to	20 00	"
Scullery man,	. .		20 00	"
Waitresses (six),	14 00	to	18 00	"
Chambermaid,	. .		14 00	"
Head carpenter,	. .		75 00	"
Carpenters (two),	2 35	and	2 50	per day.
Painter,	. .		2 35	"
Mason,	. .		16 50	per week.
Engineer,	. .		1,200 00	per year.
Assistant engineers (two),	45 00	to	50 00	per month.
Assistant engineers (two), each,	. .		30 00	"
Engineer's helpers (two),	28 00	to	30 00	"
Firemen (five), each,	. .		30 00	"
Farmer,	. .		1,000 00	per year.
Farm foreman,	. .		35 00	per month.
Farm watchman,	. .		25 00	"
Farm laborers (fifteen),	20 00	to	28 00	"
Gardener,	. .		60 00	"
Gardener's assistants (two),	20 00	to	25 00	"
Coachman,	. .		34 00	"
Errand man,	. .		18 00	"
Blacksmith,	. .		38 00	"

GOODS MADE AND REPAIRED IN SEWING ROOM

For Year ending Sept. 30, 1904

30 anklets.	2 dress skirts, woolen.
112 aprons, colored.	18 dusters.
72 aprons, ticking.	15 gymnasium suits.
101 aprons, waiter's.	37 hats trimmed.
457 aprons, white.	12 jumpers rehemmed.
12 bandages, T.	2 kimonos.
30 bandages, abdominal.	164 mattress ticks.
23 bags, coffee.	13 mattress covers.
32 bags, tea.	37 pairs mittens, canvas.
194 bags, laundry.	13 muffs.
61 pairs bed room slippers.	426 napkins.
99 bed pads.	552 napkins, sanitary.
29 bed sheets.	782 night dresses.
20 bed sheets with jackets.	246 night shirts.
96 bibs.	12 overalls rehemmed.
510 blankets bound.	38 pants hemmed.
96 blankets rebound.	1,082 pillow slips.
137 bureau scarfs.	60 pillow shams.
19 camisoles.	28 pillow ticks.
3 canvas squares.	86 protectors.
378 chemises.	7 restraint collars.
10 corset covers.	216 restraint lacings.
6 cotton rings.	24 restraint straps.
4 combinations.	180 rugs bound.
19 pairs curtains, scrim, long.	2,120 sheets.
148 pairs curtains, scrim, sash.	397 shirts.
8 pairs curtains, plush, long.	384 skirts.
4 pairs curtains, ticking.	14 sofa pillow covers.
1 pair curtains, denim, long.	2 settee covers.
54 curtains, screen.	4 surgeon's gowns.
79 curtains, shades made.	69 table cloths hemmed.
48 curtains, shades rehemmed.	72 table squares.
3 chair cushion covers.	48 table scarfs.
395 pairs drawers.	7 table covers.
140 dresses, cotton.	310 towels, rollers.
2 dresses, woolen.	2,662 towels, short.
54 dresses, strong.	642 towels, dish.
7 dress waists.	91 waiter's coats.

PRODUCTS OF THE FARM.

Oct. 1, 1903, to Sept. 30, 1904.

44,041	pounds apples,	$440 56
2,640	pounds asparagus,	52 80
43,421	pounds beets,	441 39
3,203	pounds beet greens,	64 06
819	pounds beef,	36 33
2,024	pounds beans, shell,	40 43
3,690	pounds beans, string,	73 20
31	pounds beans, lima,	1 55
33	pounds blackberries,	1 65
71,877	pounds cabbage,	732 54
11,198	pounds carrots,	123 96
4	pounds cauliflower,	22
936	pounds cider,	11 70
2,000	pounds celery,	40 00
4,214	pounds chard,	84 28
12,667	pounds cucumbers,	126 87
90	pounds currants,	7 72
21,693	pounds corn,	214 13
2,587	pounds eggs,	432 14
205	tons hay, English,	3,280 00
10	tons hay, meadow,	100 00
7	tons oat feed,	70 00
32	tons rowen,	320 00
43	tons green feed,	172 00
540	tons ensilage,	2,700 00
1,000	tons ice,	1,000 00
4,226	pounds lettuce,	153 51
580,480	pounds milk,	11,609 60
1,740	pounds onions,	17 40
60	pounds parsley,	3 00
8,250	pounds parsnips,	165 00
3,335	pounds peas,	129 15
7,045	pounds pears,	70 45
186	pounds peppers,	9 30
26,947	pounds potatoes,	262 90
906	pounds poultry,	161 88
	Amount carried forward,	$23,149 72

	Amount brought forward,	$23,149 72
40	pounds quinces,	2 00
464	pounds radishes,	23 00
284	pounds raspberries,	14 20
3,673	pounds rhubarb,	56 77
7,642	pounds spinach,	152 90
4,857	pounds squash, summer,	56 77
33,095	pounds squash,	511 90
20,874	pounds tomatoes,	205 17
57,030	pounds turnips,	465 05
152	pounds veal,	15 20
124¼	cords wood,	521 25
	Shoeing, repairing, etc.,	323 13
	Cash, live stock,	475 87
	Cash, hides,	5 53
	Cash, shoeing, repairing,	35 52
	Cash, plants,	3 20
	Cash, pork,	75 85
		$26,093 03

PRODUCTS ON HAND OCT. 1, 1904.

36,142	pounds apples,	$361 42
120	pounds beans, shell,	4 00
41,625	pounds beets,	416 25
59,000	pounds cabbage,	475 00
6,000	pounds cabbage, fodder,	12 00
11,000	pounds carrots,	110 00
2,000	pounds celery,	40 00
100	pounds corn, seed,	2 00
7,500	pounds corn, field,	75 00
160	tons hay, English,	2,560 00
10	tons hay, meadow,	100 00
2	tons oat feed,	20 00
540	tons ensilage,	2,700 00
200	tons ice,	200 00
500	pounds lettuce,	20 00
1,500	pounds onions,	315 00
8,250	pounds parsnips,	165 00
3,715	pounds pears,	37 15
125	pounds peppers,	6 25
7,800	pounds potatoes,	71 50
40	pounds quinces,	2 00
30,000	pounds squash,	450 00
8,400	pounds tomatoes,	84 00
55,000	pounds turnips,	440 00
175	cords wood,	700 00
		$9,366 57

SUMMARY OF FARM ACCOUNT.

Dr.

Bedding for cattle,	$239 66
Belting,	11 28
Blacksmith supplies,	156 70
Board of farmers,	4,148 85
Brushes,	1 30
Cart,	65 00
Cattle, yoke of,	200 00
Farm repairs,	436 32
Fertilizers,	401 11
Hay and grain,	8,843 77
Harness and repairs,	88 35
House rent,	144 00
Live stock,	280 00
Machinery and implements,	344 84
Milk record,	13 75
Seeds and plants,	254 57
Scales,	22 70
Swill,	588 75
Wagon repairs,	32 20
Wages of farmers,	6,338 47
Wages and board of attendant,	571 31
Veterinary,	17 00
	$23,199 93
Profit of the farm to balance,	4,911 53
	$28,111 46

Cr.

39,748	pounds apples,	$410 96
2,640	pounds asparagus,	52 80
2,244	pounds beans, shell,	44 49
3,240	pounds beans, string,	64 80
81	pounds beans, lima,	3 18
	Amount carried forward,	$576 23

	Amount brought forward,	$576 23
33,254	pounds beets,	295 03
3,203	pounds beet greens,	64 06
819	pounds beef,	36 33
33	pounds blackberries,	1 65
49	pounds broilers,	9 80
1,600	pounds bran,	18 98
35,924	pounds cabbage,	953 75
19,727	pounds carrots,	249 83
4½	pounds cauliflower,	22
647½	pounds celery,	20 88
4,934	pounds chard,	98 68
425	pounds chicken,	84 52
117	gallons cider,	11 70
27,249	pounds corn, green,	272 77
21	bags corn,	25 50
11,347	pounds cucumbers,	113 67
90	pounds currants,	7 72
2,346¾	pounds eggs,	432 14
432	pounds fowl,	67 56
477½	tons ice,	955 00
3,993	pounds lettuce,	138 03
580,480	pounds milk,	11,609 60
10,965	pounds onions,	107 93
60	pounds parsley,	3 00
10,545	pounds parsnips,	148 87
2,645	pounds peas,	103 55
6,750	pounds pears,	67 50
171	pounds peppers,	5 11
53,652	pounds pork,	3,598 60
23,700	pounds potatoes,	232 55
20	pounds quinces,	50
308	pounds radishes,	16 00
284	pounds raspberries,	14 20
3,673	pounds rhubarb,	56 77
7,573	pounds spinach,	151 46
32,251	pounds squash,	645 02
20,421	pounds tomatoes,	184 99
33,722	pounds turnips,	338 98
152	pounds veal,	15 20
29	cords wood,	145 00
	Shoeing, repairing, etc.,	323 13
1,131	days labor, men, at $1.75 per day,	1,979 23
963	days labor, teams, at $2 75 per day,	2,648 24
744	bushels oats,	384 60
240	pounds provender,	3 65
	Amount carried forward,	$27,217 73

	Amount brought forward,	$27,217 73
3,108	pounds straw,	39 08
11	tons hay,	176 00
1	bag linseed,	1 68
4,050	pounds grease,	81 00
	Sales, blacksmithing,	35 52
	Sales, hides,	5 53
	Sales, live stock,	475 87
	Sales, pork,	75 85
	Sales, miscellaneous,	3 20
		$28,111 46

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PUBLIC DOCUMENT . . . . . No. 30.

TWENTY-FIRST ANNUAL REPORT

OF

THE TRUSTEES

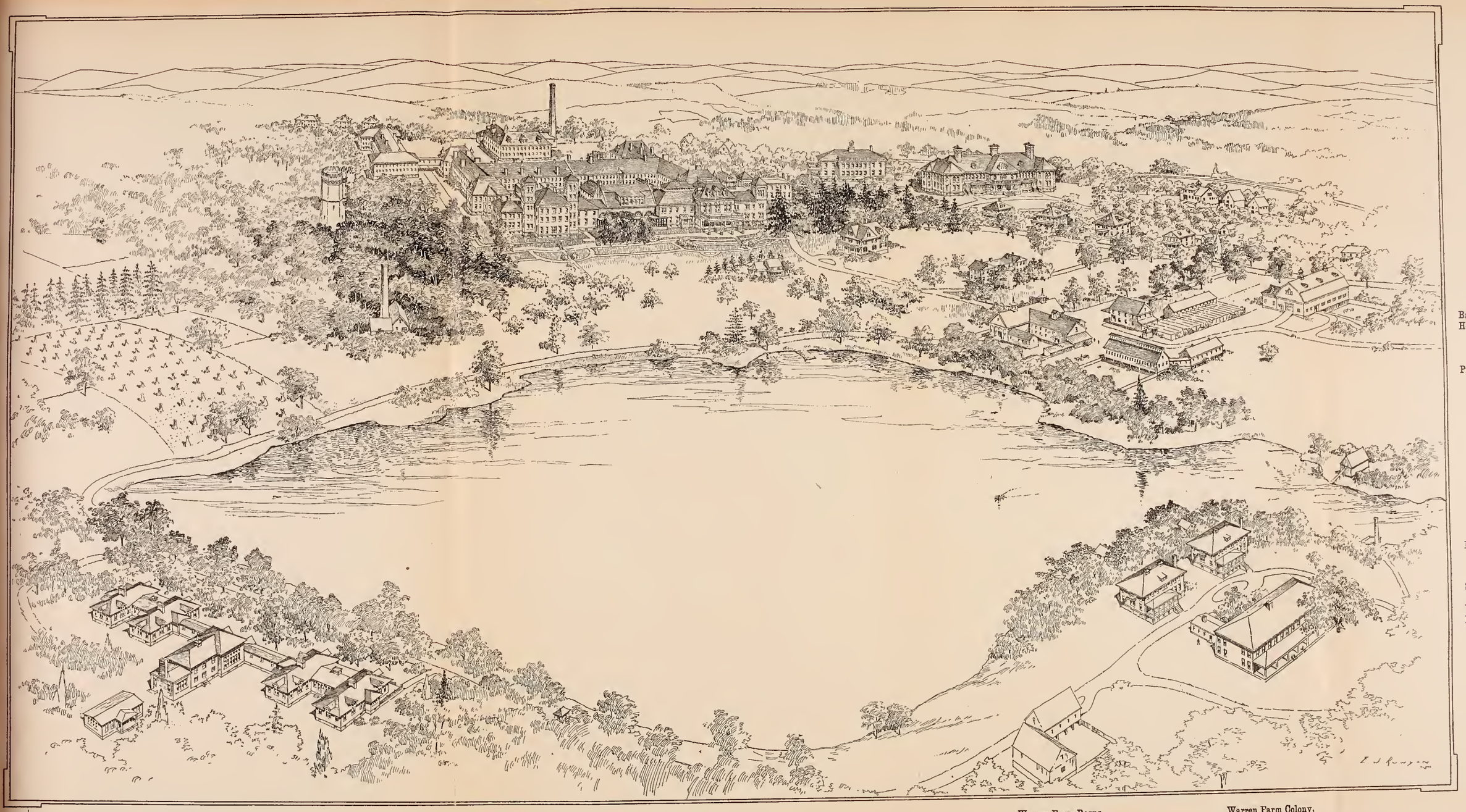
OF THE

WESTBOROUGH INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1905.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1906.


Male Attendants Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Godman Building.
Superintendent's House.
Talbot Building.
Female Nurses Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Richmond Colony.
Laundry.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

PUBLIC DOCUMENT . . . . . No. 30.

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Mass.: Westborough state hospital (insane

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN M. MERRIAM, *Chairman*,	South Framingham.
ELIZA C. DURFEE, *Secretary*,	Fall River.
BENJAMIN W. CHILDS,	Worcester.
JOHN L. COFFIN, M.D.,	Northborough.
SARAH B. WILLIAMS,	Taunton.
EDWARD HAMLIN,	Boston.
LEWIS R. SPEARE,	Newton.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	1,800
IDA J. BROOKS, M.D., *Assistant Physician*,	1,100
E. RAY BUHRMAN, M.D., *Assistant Physician*,	1,000
WILLIAM W. COLES, M.D., *Assistant Physician*,	600
RUTH BARKER-COLES, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,200
MELVILLE L. STACEY, *Steward*,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, South Framingham,	$500

Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully present this their twenty-first annual report.

The trustees have repeatedly alluded to the dissatisfaction and difficulty attending the water supply of the hospital. They now feel impelled to present this subject once more for legislative consideration, and they earnestly hope that it will receive the attention due the serious nature of the question, and that it may be finally disposed of. The natural supply of water would, upon first thought, be Chauncy Lake, which is almost surrounded by the hospital farm. The water of this lake, however, is absolutely unfit for domestic purposes by reason of the presence of vegetable organisms, which would make its use a menace to the health of the entire population. This water has been repeatedly condemned by the State Board of Health. All efforts to improve it by filtration or other means would be at great expense and of doubtful result. The next possible source is the water from driven wells on the hospital farm. Years ago wells were driven for the purpose of using this supply. The water obtained, however, from these wells is so strongly impregnated with bog iron that, while not injurious to health, it is unpalatable and repulsive to sight, smell and taste. This water has been used for the domestic purposes of the hospital, but under constant protest. Patients drink it only as a matter of necessity and do not drink the usual quantity of water. Its continued use is obnoxious to every one compelled to use it.

During the past year the trustees directed wells to be driven in other places, but the engineer under whose direction this

work was done has reported that it is impossible to find a sufficient quantity of potable water for the use of the hospital from this source.

A third plan has been to take water from the metropolitan water aqueduct, which is distant about one mile from the hospital. This plan has been recommended by the trustees in their former reports. The expense of building the necessary mains and pumping station has been estimated at $35,000. In addition to this initial cost, however, an annual rental would have to be paid to the Metropolitan Water Board of from $1,500 to $1,800, and a pumping station maintained at a probable annual cost of $1,000. This plan is only partially satisfactory to the Board of Trustees, but it would afford a permanent solution of the present difficulty.

A fourth plan has been recommended by Mr. Percy Blake, the well-known expert on municipal water supplies. This plan would involve the seizure of the water of two large brooks, distant about four miles from the hospital, the construction of a reservoir, pumping station and mains, and the settlement of uncertain land and water damages. The initial expense involved in this plan would be not less than $60,000 and might approximate $100,000. The annual charge of maintaining a pumping station at such a distance from the hospital would probably be $1,600. There would, of course, be no annual charge for water consumption. By this plan an entirely adequate supply of excellent water could be obtained. The trustees, however, do not recommend this plan for the sole reason of the large and uncertain expense involved. If, however, in the judgment of the Legislature this expense is justified, in view of the permanent character of the improvement, the trustees will undertake the construction of the work.

Still another plan, however, has been considered by the Board of Trustees, and, on the whole, receives their endorsement. At an expense not exceeding $10,000 for the extension of mains, water from the local supply of the town of Westborough can be brought into the smaller tank in the main hospital building by gravitation. From this supply water can be used for all ordinary domestic purposes. The water from Chauncy Lake can be pumped into the large hospital reservoir and used

for laundry and boiler purposes and for fire protection. According to its present capacity the local water supply is insufficient for the water required for all purposes. This local supply, however, can be very greatly increased and improved by the construction of filtration galleries and the elevation of the upper and larger basin. With this increased capacity sufficient excellent water can be obtained for all purposes, both of the town and of the hospital. It is possible that the town would consider favorably a proposition to improve and enlarge its water supply according to plans which are now under consideration, and that thereby the hospital may become able to obtain water for all purposes at a reasonable rate per thousand gallons, with an agreed minimum guaranty.

This plan has received the endorsement of the State Board of Health as follows: "If the town of Westborough should build works in the neighborhood of the present basins which would collect ground water without exposure to light there is little doubt but an ample supply of water for the town and for all uses in the hospital could be secured, which would be of excellent quality at all times for drinking, and this would be a good plan for securing a water supply for the hospital." The advantages of this plan are these: only a small initial cost is required; much of the water would come to the hospital by gravity; the pumping of the rest of the water would be much less than the pumping now required, and would be under the immediate observation of the engineer; the quality of the water would be excellent, and the water rate as reasonable as could be expected.

Upon all considerations the trustees recommend the last plan, and earnestly request authority and a sufficient appropriation to carry it into effect at once.

During the past year the hospital population has been the largest in the entire history of the institution. The largest number of patients present at any one time has been 918; the total number of cases admitted has been 538; 97 have been discharged as recovered, 44 as much improved, 29 as improved, and 33 as not insane; 902 remain at the hospital Oct. 1, 1905. In spite of this increased population, however, patients have been better classified and more comfortably cared for than ever

before by reason of the occupation of the new west wing and the still more recent building for the acute disturbed patients. For the present year there is no need of new construction for the use of patients. All efforts in the nature of construction will be confined to finishing the male attendants' buildings and the laundry for the Richmond colony.

The male attendants' buildings and the superintendent's house have been built by carpenters employed directly by the trustees. This method of constructing the smaller buildings has proved a great success at this hospital. Probably much better work has been secured at a far less cost to the Commonwealth than could have been obtained by the awarding of contracts.

The building for the acute disturbed patients, which has been finished and occupied during the past year, has been named by the trustees the Codman building, in honor of Hon. Charles R. Codman, the first chairman of the Board of Trustees of the Westborough Insane Hospital and a present member of the State Board of Insanity. It has been a matter of sincere gratification to the trustees, and especially to those who were associated with him, to express in this way their appreciation of the interest, foresight and wisdom which he manifested in his service of fourteen years upon this Board.

The trustees also wish to record their appreciation of the faithful service rendered during the year by the superintendent and his staff of physicians and all other officers of the hospital. The reports of the superintendent, pathologist, treasurer and consulting board of physicians and the statistical tables required by law are appended to this report.

JOHN M. MERRIAM.
ELIZA C. DURFEE.
BENJAMIN W. CHILDS.
JOHN L. COFFIN, M.D.
SARAH B. WILLIAMS.
EDWARD HAMLIN.
LEWIS R. SPEARE.

Oct. 12, 1905.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital

I respectfully submit the report of the superintendent for the hospital year ending Sept. 30, 1905.

The following table shows the movement of population for the past year: —

	Men.	Women.	Totals.
Patients in the hospital Sept. 30, 1904,	326	516	842
Admissions within the year,	251	287	538
Whole number of cases within the year,	577	803	1,380
Dismissed within the year,	210	268	478
Viz., as recovered at the time of leaving the hospital,	38	59	97
much improved,	27	17	44
improved,	10	19	29
not improved,	20	28	48
not insane,	13	20	33
Died,	68	65	133
Transferred,	1	27	28
Escaped,	4	3	7
On visit,	29	30	59
Patients remaining Sept. 30, 1905,	367	535	902
Daily average number of patients,	349.26	529.28	878.54

During the hospital year there were 538 admissions. Of these, 424 were commitments of the insane, 14 of inebriates, 27 were transfers of the State Board of Insanity; 26 were voluntary, 45 returned from visit and 3 from escape. There were 478 patients discharged within the year, 252 going to their homes and friends, 28 removed by the State Board of Insanity, and 7 escapes. There were 133 deaths and 59 are absent on visit.

The total number of admissions was larger than any previous year, even excluding those returned from visit and escape, and

although our number at the end of the year is 902 (and we have had as many as 918), and the average number of patients shows an increase of 56.20, the hospital is not crowded at the present time. There have been 342 beds added by new buildings to our capacity, in the past four years and others were made available by the opening of the nurses' cottages.

The act of the Legislature of 1904, extending the leave of absence from the hospital to six months, is helpful in cases where the friends wish a longer period of probation; but usually the visit is given for sixty days, and extended in cases where it seemed best.

The third cottage for women nurses was opened in December, 1904, and this occupation by our nurses has made it possible to increase the number of nurses and reduce the hours of duty to seventy per week, including the time given to lectures and recitations in the training school course.

The building for male employees was completed and occupied last winter, and the two cottages for male nurses are nearing completion, at which time the hours of duty will be made the same as for the women nurses.

The Legislature of 1902 granted $5,000 for surgical and pathological improvements. Inability to find temporary quarters for the pathologist prevented its use during that season, and the Legislature of 1903 continued this appropriation, and added $7,000 for the erection of a fire-proof pathological building.

The operating room, with modern equipments, has been completed and is in use.

A location was selected for the pathological building east of the main building, this affording good facilities to receive heat and light from the main plant and also within a short distance from the building for acute cases, and very convenient for the use of the medical staff. Plans were approved for a building, the exterior to be of terra cotta hollow tile, with cement plaster finish on the outside, and the inner walls, partitions and floors to be of cement concrete. Mr. J. J. Prendiville, the lowest bidder, took the contract for $6,636. The building is near completion and will soon be delivered by the contractor to the hospital.

The building for acute disturbed patients was completed and occupied by women patients the last of March, 1905. It was named Codman by the trustees in honor of Hon. Charles R. Codman, the first chairman of the Board of Trustees.

The residence of the superintendent has been completed and is now occupied by the superintendent and his family.

The change from the use of direct to alternating electric current was completed during the winter and is giving satisfactory service.

The new laundry, to give the patients of the Richmond building useful occupation, is being built by the hospital carpenter and will be completed and occupied in the early winter.

The necessity for a supply of good water for all purposes is more urgent than ever. The matter of procuring a satisfactory supply of water has been frequently urged in previous reports and the conditions now are becoming so acute that some effectual remedy must be applied.

In 1904 your Board presented in their report a plan that I believe would, if carried out, give us no further concern about water for many years, and probably never in the future history of the hospital. This plan did not pass the Legislature, and an investigation, as suggested by the State Board of Insanity, was made for satisfactory ground supply. This investigation was made by Mr. Percy M. Blake, and the nearest supply of quality and quantity found was four miles away, and the estimated cost was at least $50,000, without any land or water damages being considered, and the interest on this sum, in addition to the expense of controlling the pumping plant four miles away, rendered the plan not feasible.

Your Board then purposed taking our drinking water from the town of Westborough, — all the water now used by the two hospital colonies being drawn from this supply. This request also failed to pass the Legislature.

It would be a satisfactory solution of our search for good water to take all our drinking water from the town of Westborough, having the supply pipes of a size to convey the water needed for all purposes, and ask the town to increase their supply so as to furnish water for all the uses of the hospital, which I understand can be done, as their water-shed is abundant and

the chief addition needed is filtering galleries. Failing to make suitable terms with the town, I believe the plan presented by you in your report of 1904, to take water from the Metropolitan system, is the only other scheme that offers permanent results for a reasonable outlay.

This hospital may claim to satisfactorily carry out the threefold function of a modern institution for the care of the insane.

It has the main buildings containing the administrative centre, the asylum wards, the heating and lighting plant, sewing rooms, laundry and service department. In the Warren farm and Richmond buildings are two units for colony care, both giving good service. In the Codman and Talbot buildings for the disturbed and quiet recent cases, we have the hospital conditions for curable patients. In Talbot the conditions for quiet convalescent cases are good. In Codman the conditions are adapted to the needs of the excited cases. Here the room doors, with glass panels, permit close observation of patients without annoying them. Sufficient provision is made for prolonged baths; there is an ample supply of nurses, and one physician devotes his time to the study and treatment of the patients in these two buildings, — a measure of great assistance in promoting ultimate recovery.

Our treatment does not greatly change as years pass by, but we are ready to use whatever gives any promise of helping our patients. All hopeful cases are given medicine for mental conditions, and in this class is included cases of dementia præcox, a portion of whom respond to treatment and go out to useful lives.

The rest treatment is suitable for most of the acute cases, both the quiet and the disturbed. Years of experience confirm my confidence in its value. This, however, should be followed, in cases of dementia præcox, by occupation, preferably useful employment.

Hydrotherapy has a deserved place in our treatment. The use of the prolonged tub baths has become an almost routine treatment in the disturbed cases so noticeable is the abatement of excitement under its use. Where the disturbance is too great for the bath, the wet pack proves useful in quieting a patient.

Static and high frequency electricity is of some use in the disturbed cases but it is of greater benefit in depressed states; especially does it help insomnia.

When bodily disease, not amenable to medicine, prevents the patient's recovery, or, by reflex action upon the nerve centres, is really the cause of the perverted mental action, the aid of a surgeon is secured to determine if surgical interference promises to give relief. The number of cases that are suitable for surgical treatment is not large, — not sufficient to justify the claim made by some that very many can be cured by operation, but the results, in the selected cases, have been uniformly beneficial.

A dentist comes to the hospital weekly to care for the teeth of the patients, — extracting, filling and cleaning, as indicated; and, occasionally making artificial sets. The results are noticeable in increased comfort in eating as well as improved appetite.

Employment is the best medicine for the chronic insane when their mental and physical condition will permit it with safety to themselves and others; it promotes quiet and lessens the intensity of the delusions, and some of these patients improve so that they may leave the hospital, under supervision, and become self-supporting.

Many of our cases have the freedom of going out alone on the grounds, and very few break their promise not to leave the limits without permission. During the past year 318 different persons, 149 men and 169 women, have had this privilege, — this being 23 per cent. of the whole number treated.

Mrs. John Felt Osgood gave $100 for the entertainment of the patients. Mrs. Lewis Day gave $10 as an Easter gift to the patients. Mr. Martin L. Green sends regularly a copy of the "Scientific American." Mrs. E. M. Bailey of Newton sent magazines, nuts and candy at Christmas and the Massachusetts Hospital Newspaper Society sent four packages of magazines. The Church Periodical Society sent four packages of magazines for patients.

The band of the Lyman School for Boys came over to the hospital one evening in June and gave a concert for the entertainment of the patients.

Dr. S. C. Fuller, our pathologist, was absent from the hospital from November, 1904, to August, 1905, going to Munich, Germany, and having an opportunity, while there, of studying under Kraeplin. He returns to the hospital with well-earned knowledge and increased interest in his work. Dr. William W. Coles conducted the pathological work during his absence, and the position of junior assistant physician on the male side was temporarily supplied by Dr. Arthur F. Weston, who remained until Sept. 1, 1905.

Dr. Clifford J. Huyck, senior physician on the male side, resigned Aug. 1, 1905, to enter general practice. Dr. William W. Coles was promoted to the position of senior assistant physician and the position of junior assistant physician remains vacant.

Dr. Alberta S. Boomhower resigned in June, 1905, and Dr. M. Agnes Martyn of Boston University School of Medicine, 1903, supplied until September 1, when Dr. Ruth Barker-Coles, a graduate of Boston University School of Medicine, 1904, was appointed.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust that it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

Sept. 30, 1905.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

To the Trustees of the Westborough Insane Hospital.

The usual regular meetings of the Consulting Board have been held, and the usual visits of individual members have been made at the hospital from month to month during the year.

Some of the members have given considerable service to the hospital. Dr. Rice has visited the hospital three times and operated for diseased conditions of the nose and throat. Dr. Colby has visited the hospital, as special consultant, in nervous diseases, twice during the year, in addition to other visits. Dr. F. W. Colburn performed a mastoid operation upon one of the patients when Dr. Bellows was unable to take charge of the case. Dr. Winfield Smith has operated three times when Dr. Packard was unable to visit the hospital.

We find two new buildings completed during the year for disturbed and noisy patients, — one an extension of a wing of the main building previously used for this same class, and a new building named Codman building, on the north side of the main building, and detached from it. We are much pleased with the cleanliness, with the light in the rooms and the hallways, and the absence of odors, and we feel that the purpose for which these buildings were erected has been very satisfactorily accomplished.

We note with special satisfaction that the new pathological building is nearly completed, and we feel that it will be of great service to the hospital. The pathological work for some years has been of a high order, and has deserved better accommodations than any previously furnished: and the new building, with the work rooms it contains, will make possible still better work, both of a routine nature and also original investigation into new and unknown fields of medicine.

We commend also the new surgical operating rooms. They are well adapted for their purpose, and we are surprised that such good accommodations have been furnished at such moderate cost.

We note, at the close of the fiscal year, the completion of the superintendent's residence and its occupation by him and his family. It seems well adapted to its purpose and will prove of much value.

We believe in the removal from the immediate ward and hospital surroundings, as far as possible, of the officers and employees when not on duty. Nurses are stronger, healthier and happier, and of more value to the sick during their hours of work, if they have had their nights and some time in the day for recreation in buildings removed from the wards; and this is as true of the physicians and other officers who devote their lives to the care of the insane.

During the year, the chairman of our Consulting Board, Conrad Wesselhoeft, M.D., closed a lifetime of work and success and honor. Few medical men are privileged to receive so many marks of esteem from his associates and the community, and in passing the following resolutions, and entering them upon our records, we are bearing witness not only to his value as a man and a physician but also to his readiness to give freely and constantly of his strength and knowledge, without recompense, to the sick in mind as well as in body: —

The members of the Consulting Board of the Westborough Insane Hospital extend expressions of their sympathy to the family of our late colleague and chairman, Dr. Conrad Wesselhoeft.

Through our pleasant relations with him we learned to respect his sterling integrity, admire the wisdom of his counsel and love him as a man.

We mourn his loss even in the fulness of years and well-earned honors, nor can we expect to see the vacancy made by his death completely filled.

CHARLES L. NICHOLS, *Chairman.*
EDWARD P. COLBY.
HORACE PACKARD.
JOHN P. RAND.
GEORGE B. RICE.
HOWARD P. BELLOWS.
JOHN P. SUTHERLAND.
GEORGE A. SUFFA.
FREDERICK B. PERCY.
N. EMMONS PAINE, *Secretary.*

REPORT OF THE PATHOLOGIST.

Dr. GEORGE S. ADAMS, *Superintendent Westborough Insane Hospital.*

Herewith is presented a summary of the work done in the pathological laboratory for the year ending Sept. 30, 1905.

The endeavor to have the laboratory serve the clinical needs of the hospital has been kept up, as in the years previous. Our autopsy material has, for the most part, been studied as well as our present facilities would permit, and in not a few have the sections proven illuminating. An instance may be cited of a case which had been considered clinically as general paralysis, yet in the subsequent anatomical study, save for an occasional mast cell infiltration of the perivascular lymph spaces of the cerebral cortex, there was nothing on which the diagnosis of general paralysis could be sustained. So far as Nissl preparations are concerned the sections present the conditions as described by Alzheimer * for alcoholic dementia.

Turning to the clinical relations of the laboratory to the ward service a case still in the hospital may be mentioned in this connection. The question arose, after eliminating other possibilities, whether we had to deal with general paralysis or a psychosis due to chronic lead poisoning. After preliminary preparation, a rather long and tedious chemical analysis of the urine demonstrated the presence of lead, which, everything else considered, pointed to a lead psychosis. The subsequent clinical development has strengthened this position and makes the provisional diagnosis most probable. Similar instances could be cited.

The number of specimens submitted to the laboratory for examination during the year was 1,599, of which 1,409 were urinalyses, 131 blood examinations and 59 miscellaneous, in-

* Histologische u. Histopathologische Arbeiten über die Grosshirnrinde, Bd I., Jena, 1904.

cluding stomach contents, sputum and throat cultures. In addition there were 31 autopsies, 23.4 per cent. of the death rate. The percentage of autopsies to the death rate is still small, although each year shows an increase. Thus the total number of separate examinations is 1,621.

The credit for the most of this work must be given to Dr. W. W. Coles, who for more than a year was an assistant in the laboratory and during my absence of nine months was in charge of this department.

With many thanks for the co-operation of the staff and the continued support of the superintendent, this report is

Respectfully submitted,

SOLOMON C. FULLER, M.D.,
Pathologist.

Sept. 30, 1905.

REPORT OF THE TREASURER

For Year ending Sept. 30, 1905.

Assets.

197 acres cultivated land, 123 acres pasturing, 83 acres woodland, 36 acres meadows, 17 acres sprout land, 10 acres unclaimed land, 9 acres groveland, 68 acres lawns, roads, walks, yards, etc., main hospital buildings, Talbot, Richmond, Codman, Speare and Dewson cottages, sewage plant, heating plant, farm house, Stanley house, Houghton house, Warren house, Osgood cottage, Forbes cottage, Clark cottage, Knights cottage, steward's cottage, small cottage, superintendent's house, male employees' house, nurses' homes, main barn, new barn, Stanley barn, Warren barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boat house, Stanley hen house, coach barn, flour and store room, store barn, carpenter shop and vegetable cellar, green house, waiting station, pumping station, ...		$783,925 00

Personal Estate.

Stock and supplies, as per inventory, . .	$143,391 59	
Cash on hand, ...	3,774 52	
		$147,166 11

Receipts.

Cash on hand Oct. 1, 1904, ...		$3,342 12
Received from cities and towns for support of patients, ...		1,908 20
Received from individuals for support of patients, ...		41,841 68
Received from reimbursements for support of patients, ...		8,864 89
Received from interest on bank deposit, . .		214 05
Received from farm and farm products, . .		488 06
Received from sale of: —		
Material, etc., ...	$756 47	
Sewing room material, . . .	303 83	
Amounts carried forward, . .	$1,060 30	$56,659 00

Amounts brought forward,	$1,060 30	$56,659 00	
Received from sale of — *con.*			
Junk,	237 24		
Buttons and thermometers,	83 04		
Old machinery,	841 00		
Labor,	4 90		
Sundries,	76 56		
		2,303 04	
Received from rent,		185 00	
Received from board of workmen,		241 54	
Received from freight rebate,		3 20	
Received from rebates and discounts,		12 15	
Received from wages forfeited,		7 00	
Received from Commonwealth on account of current expenses,		191,891 27	
Received from Commonwealth on account of special appropriations,		75,555 78	
			$326,857 98

EXPENSES.

1. Salaries and wages,		$70,535 13	
2. Food,		49,263 27	
3. Clothing and material,		5,335 93	
4. Furnishings,		7,569 86	
5. Heat, light and power,		13,041 08	
6. Repairs and improvements,		16,025 04	
7. Farm, stable and grounds,		12,896 38	
8. Miscellaneous: —			
Books, periodicals, etc.,	$181 81		
Board of out patients,	51 42		
Chapel service and entertainments,	601 00		
Freight, expressage and transportation,	7,366 72		
Funeral expenses,	310 00		
Hose, etc.,	121 41		
Medicine and hospital supplies,	1,328 26		
Medical attendance,	595 25		
Manual training supplies,	19 04		
Postage,	480 20		
Printing and printing supplies,	426 44		
Return of runaways,	88 92		
Soap and laundry supplies,	1,496 41		
Stationery and office supplies,	445 45		
School books,	7 20		
Travel and expenses (official),	491 77		
Telephone and telegraph,	400 84		
Tobacco,	730 23		
Amounts carried forward,	$15,142 37	$174,666 69	

Amounts brought forward, .	$15,142 37	$174,666 69	
8. Miscellaneous — *con.*			
Water, ...	149 54		
Sundries, ...	1,725 84		
		17,017 75	
Total current expenses, ...		$191,684 44	
For salaries and wages due Sept. 30, 1904, ...	$5,516 70		
For miscellaneous bills due Sept. 30, 1904, ...	11,411 86		
		16,928 56	
		$208,613 00	
Less schedule of salaries and wages and miscellaneous bills for September, 1905, approved but unpaid, and included in foregoing itemized statement of current expenses, .		17,023 84	
			$191,589 16
For rebate on account of prepaid board, ...			302 11
For payment to Treasurer of the Commonwealth, account income, ...			55,636 41
For account of special appropriations, ...			75,555 78
For balance, cash on hand Sept. 30, 1905, ...			3,774 52
			$326,857 98

LIABILITIES.

Salaries and wages due Sept. 30, 1905, . .	$6,115 37	
Miscellaneous bills due Sept. 30, 1905, . .	10,908 47	
		$17,023 84

BILLS RECEIVABLE.

Due hospital for board of patients Oct. 1, 1905: —			
From cities and towns, . . .	$42 71		
From individuals, ...	2,812 79		
		$2,855 50	
Balance appropriation for current expenses, .		62,116 09	
			$64,971 59

SUMMARY.

Total receipts, ...	$326,857 98
Total payments, ...	323,083 46
Cash on hand, ...	$3,774 52
Bills receivable, ...	65,006 59
Total available assets, ...	$68,781 11
Total indebtedness, ...	17,023 84

Total current expenses, $191,684.44.
Average number of patients, $878\frac{54}{100}$.
Average weekly cost, $\$4.19\frac{5}{10}$.
Average weekly cost, excluding extraordinary repairs and improvements of $8,214.48, $\$4.01\frac{6}{10}$.

H. L. DAVENPORT,
Treasurer.

Examined and approved: B. W. CHILDS,
JOHN M. MERRIAM,
Auditing Committee.

REPORT OF THE AUDITOR.

WESTBOROUGH, MASS., Oct. 23, 1905.

BENJAMIN W. CHILDS and JOHN M. MERRIAM, *Auditing Committee of the Westborough Insane Hospital.*

DEAR SIRS: — I have examined the accounts of the treasurer of the Westborough Insane Hospital for the year beginning Oct. 1, 1904, and ending Oct. 1, 1905, and report as follows: —

I have verified the cash balances reported as on hand Oct. 1, 1905, at the hospital and in the New England Trust Company and the Framingham National Bank, and find the amounts as stated to be correct, after allowing for outstanding checks. I have seen approved and receipted vouchers for all disbursements, both of patients and hospital funds, except vouchers forwarded to and audited by the Auditor of the Commonwealth. I have compared and verified all receipts of cash on the ledger accounts with patients, and find that the same have been duly entered in the cash book. I have found all footings to be correct in the cash book, and also certify that in my investigations I have found everything correct, and no irregularities or discrepancies of any kind whatever.

EZRA H. BIGELOW,
Auditor.

SPECIAL APPROPRIATIONS.

On the first day of October, 1905, there remained unexpended the following balances of the several special appropriations by the Legislature of 1902 : —

For the alteration of the main building for pathological work, appropriation $5,000, reappropriated by the Legislature of 1904.

The Legislature of 1903 made the following special appropriations : —

	Balance Oct. 1, 1904.	Expended.	Balance Oct. 1, 1905.
For erecting and furnishing building for 100 patients, . . .	$4,820 63	$4,704 56	$116 07
For erecting and furnishing building for 50 nurses, ...	5,214 65	1,778 07	3,436 58
For purchase of farm machinery and building roads and walks, . .	778 05	778 05	–
	$10,813 33	$7,260 68	$3,552 65

The Legislature of 1904 made the following special appropriations : —

	Balance Oct. 1, 1904.	Expended.	Balance Oct. 1, 1905.
For building for pathological work, reappropriated, ...	$11,929 20	$6,077 47	$5,851 73
For constructing and furnishing building for cases of acute insanity, ...	21,563 85	21,563 85	–
For constructing and furnishing houses for employees, . . .	20,744 83	14,156 22	6,588 61
For superintendent's house, . .	3,054 87	3,054 87	–
For electric light plant, . . .	8,128 34	8,128 34	–
	$65,421 09	$52,980 75	$12,440 34

The Legislature of 1905 made the following special appropriations: —

	Appropriation.	Expended.	Balance Oct. 1, 1905.
For finishing superintendent's house,	$850 00	$850 00	–
For furnishing superintendent's house, ...	1,200 00	1,200 00	–
For constructing one-story building as laundry for Richmond building,	3,000 00	677 62	$2,322 38
	$5,050 00	$2,727 62	$2,322 38

H. L. DAVENPORT,

Treasurer.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

I. — *General Statistics of the Year.*

	Insane.			Habitual Drunkards.			Not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1904,	321	503	824	-	5	5	5	8	13	326	516	842
Admitted within the year,	239	260	499	-	16	16	12	11	23	251	287	538
Viz.: by commitment,	210	220	430	-	14	14	9	10	19	219	244	463
by transfer,	11	16	27	-	-	-	-	-	-	11	16	27
from escape,	3	-	3	-	-	-	-	-	-	3	-	3
from visit.*	15	24	39	-	2	2	3	1	4	18	27	45
Whole number of cases within the year,	560	763	1,323	-	21	21	17	19	36	577	803	1,380
Dismissed within the year,	195	239	434	-	16	16	15	13	28	210	268	478
Viz.: discharged,	98	123	221	-	11	11	10	9	19	108	143	251
as recovered at time of leaving the hospital,	38	59	97	-	-	-	-	-	-	38	59	97
much improved,	27	17	44	-	-	-	-	-	-	27	17	44
improved,	10	19	29	-	-	-	-	-	-	10	19	29
not improved,	20	28	48	-	-	-	-	-	-	20	28	48
not insane,	3	-	3	-	11	11	10	9	19	13	20	33
died,	65	62	127	-	2	2	3	1	4	68	65	133
transferred,	1	27	28	-	-	-	-	-	-	1	27	28
escaped,	4	1	5	-	2	2	-	-	-	4	3	7
on visit October 1,	27	26	53	-	1	1	2	3	5	29	30	59
Patients remaining Sept. 30, 1905,	365	524	889	-	5	5	2	6	8	367	535	902
Viz.: supported as State patients,	322	438	760	-	5	5	-	1	1	322	444	766
town patients,	-	-	-	-	-	-	-	1	1	-	1	1
private patients,	43	86	129	-	-	-	2	4	6	45	90	135
Number of different persons within the year,	558	758	1,316	-	21	21	16	19	35	574	798	1,372
Number of different persons admitted,	237	255	492	-	16	16	11	11	22	248	282	530
Persons recovered,	37	59	96	-	-	-	-	-	-	37	59	96
Daily average of patients,	344.34	515.92	860.26	-	4.73	4.73	4.92	8.63	13.55	349.26	529.28	878.54
Viz.: State patients,	305.63	440.22	745.85	-	3.75	3.75	-	.04	.04	305.63	444.01	749.64
town patients,	-	-	-	-	.66	.66	-	.95	.95	-	1.61	1.61
private patients,	38.71	75.70	114.41	-	.32	.32	4.92	7.64	12.56	43.63	83.66	127.29

* Nominally admitted for discharge: males, 14; females, 17; total, 31.

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	182	196	378
Second to this hospital,	23	21	44
Third to this hospital,	-	2	2
Fourth to this hospital,	2	-	2
Sixth to this hospital,	-	1	1
Eighth to this hospital,	2	-	2
Tenth to this hospital,	1	-	1
Total cases,	210	220	430
Total persons,	210	217	427
Never before in any hospital for the insane,	159	169	328

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	70	35	38	67	28	27	137	63	65
Other New England States,	19	22	26	18	22	23	37	44	49
Other States,	10	9	3	9	9	7	19	18	10
Total native,	99	66	67	94	59	57	193	125	124
Austria,	-	-	-	-	1	-	-	1	-
Armenia,	1	1	-	1	1	1	2	2	1
Azores,	-	1	-	-	-	-	-	1	-
Belgium,	1	1	1	-	-	-	1	1	1
British Provinces,	14	13	7	22	13	20	36	26	27
China,	1	1	1	-	-	-	1	1	1
Denmark,	-	-	-	-	1	-	-	1	-
England,	3	3	5	9	12	12	12	15	17
Finland,	3	3	3	1	1	1	4	4	4
France,	-	2	-	-	1	1	-	3	1
Germany,	6	5	6	3	3	4	9	8	10
Greece,	1	1	1	-	-	-	1	1	1
Ireland,	15	30	34	21	43	41	36	73	75
Italy,	4	4	4	1	1	1	5	5	5
Newfoundland,	3	3	3	2	3	2	5	6	5
Norway,	-	1	-	2	1	1	2	2	1
Poland,	-	1	1	1	-	-	1	1	1
Russia,	3	3	3	5	5	5	8	8	8
Scotland,	2	6	5	1	7	5	3	13	10
South America,	-	-	-	1	-	-	1	-	-
Sweden,	1	-	-	1	2	2	2	2	2
Syria,	-	-	-	1	1	1	1	1	1
Switzerland,	-	-	-	1	1	1	1	1	1
Turkey,	-	-	1	1	1	1	1	1	2
West Indies,	1	1	1	1	1	1	2	2	2
Total foreign,	59	80	76	75	99	100	134	179	176
Unknown,	1	13	16	-	11	12	1	24	28
Totals,	159	159	159	169	169	169	328	328	328

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	-	-	-	-	1	1
Berkshire County,	1	-	1	-	-	-
Bristol County,	3	6	9	-	1	1
Essex County,	2	4	6	2	1	3
Franklin County,	-	1	1	-	-	-
Hampden County,	1	2	3	-	-	-
Middlesex County,	41	53	94	15	8	23
Norfolk County,	18	15	33	1	3	4
Plymouth County,	-	8	8	3	3	6
Suffolk County,	80	63	143	24	25	49
Worcester County,	13	17	30	4	6	10
From Pennsylvania,	-	-	-	2	-	2
Totals,	159	169	328	51	48	99
Cities and towns,	116	128	244	41	37	78
Country districts,	43	41	84	10	11	21

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	69	69	138
Married,	68	65	133
Widowed,	20	32	52
Divorced,	1	3	4
Unknown,	1	-	1
Totals,	159	169	328

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Artist,	1	Mill operatives,	2
Baker,	1	Moulder,	1
Barber,	1	None,	15
Bookkeepers,	5	Painters,	5
Bricklayer,	1	Paper cutter,	1
Butcher,	1	Pedlers,	2
Carpenters,	3	Physician,	1
Cigarmaker,	1	Piano finisher,	1
Clergymen,	2	Plasterer,	1
Clerks,	5	Plumber,	1
Coachmen,	2	Porter,	1
Custom-house officers,	2	Printers,	4
Currier,	1	Quarryman,	1
Decorator,	1	Real estate agent,	1
Druggist,	1	Roofer,	1
Engineer,	1	Rubber workers,	3
Expressman,	1	Salesmen,	3
Farmers,	11	Sailor,	1
Foreman,	1	Sea captain,	1
Gardeners,	2	Shoemakers,	8
Grocer,	1	Steam fitter,	1
Hotel-keeper,	1	Stenographer,	1
Inventor,	1	Stone cutter,	1
Janitor,	1	Students,	2
Jeweller,	1	Tailor,	1
Journalist,	1	Tanner,	1
Laborers,	24	Teamster,	1
Last maker,	1	Trainer,	1
Lather,	1	Upholsterer,	1
Laundryman,	1	Watchmaker,	1
Lawyer,	1	Weavers,	2
Liveryman,	1		
Mason,	1	Total,	156
Meat cutter,	1	Unknown,	3
Mechanics,	4		
Merchants,	4	Total,	159

6. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Cooks,	3	Seamstress,	1
Copy holder,	1	Stenographers,	3
Domestics,	25	Student,	1
Dressmaker,	1	Straw workers,	2
Housekeepers,	9	Teachers,	4
Housewives,	12	Waitress,	1
None,	29		
Nurses,	4	Total,	104
Operatives,	6	Unknown,	1
Rubber worker,	1		
Saleswoman,	1	Total,	105

WIFE OR DAUGHTER OF —

Armorer,	1	Machinist,	1
Baker,	1	Manufacturer,	1
Blacksmiths,	3	Mason,	1
Carpenters,	4	Mechanic,	1
Clerk,	1	Merchant,	1
Clergyman,	1	Operatives,	12
Cook,	1	Painter,	1
Engineers,	2	Paper finisher,	1
Dentist,	1	Roofers,	2
Draughtsman,	1	Rubber worker,	1
Engraver,	1	Stone cutter,	1
Express agent,	1	Tailors,	3
Firemen,	2	Tinsmith,	1
Foundryman,	1	Waiter,	1
Gardener,	1		
Granite polisher,	1	Total,	56
Hack driver,	1	Unknown,	8
Junk dealer,	1		
Laborer,	1	Total,	64
Last maker,	1		
Liquor dealer,	1	Whole total,	169

7. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	First admitted to Any Hospital.						Died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	8	5	13	–	–	–	1	1	2	–	–	–
15 years and less,	–	2	2	1	–	1	–	1	1	–	–	–
From 15 to 20 years,	10	5	15	9	4	13	1	1	2	–	–	–
20 to 25 years,	6	19	25	10	19	29	1	3	4	1	2	3
25 to 30 years,	11	17	28	10	20	30	3	3	6	4	2	6
30 to 35 years,	7	17	24	14	25	39	2	5	7	1	2	3
35 to 40 years,	15	14	29	18	13	31	4	2	6	2	6	8
40 to 50 years,	26	24	50	36	30	66	11	8	19	14	6	20
50 to 60 years,	13	17	30	16	21	37	8	12	20	12	12	24
60 to 70 years,	21	19	40	23	16	39	10	13	23	9	12	21
70 to 80 years,	16	5	21	19	15	34	14	8	22	21	14	35
Over 80 years,	1	4	5	2	6	8	–	3	3	–	6	6
Totals,	134	148	282	158	169	327	55	60	115	64	62	126
Unknown,	25	21	46	1	–	1	10	2	12	1	–	1
Totals,	159	169	328	159	169	328	65	62	127	65	62	127
Mean known ages (in years),	43.90	40.33	42.01	45.90	43.52	44.63	52.96	52.21	52.57	57.65	56.35	56.22

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholic.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholic,	38	3	41	1	-	1	3	1	4	38	3	41
Apoplexy,	7	4	11	-	-	-	-	-	-	-	-	-
Arterio sclerosis,	2	-	2	-	-	-	-	-	-	-	-	-
Congenital,	8	5	13	-	-	-	-	-	-	-	-	-
Dissipation,	1	2	3	-	-	-	-	-	-	-	-	-
Epilepsy,	2	2	4	-	-	-	-	-	-	-	-	-
Ill health,	1	8	9	-	-	-	1	4	5	-	-	-
Menopause,	-	12	12	-	1	1	-	3	3	-	-	-
Overwork,	5	2	7	1	-	1	2	-	2	1	1	2
Overwork and ill health,	-	1	1	-	-	-	-	1	1	-	-	-
Physical disease,	3	7	10	-	-	-	1	1	2	-	-	-
Plumbism,	1	-	1	-	-	-	-	-	-	-	-	-
Pregnancy, childbirth, puerperal and lactation,	-	10	10	-	-	-	-	4	4	-	-	-
Senility,	21	26	47	-	1	1	-	-	-	-	-	-
Shock,	1	-	1	-	-	-	-	-	-	-	-	-
Specific,	7	2	9	-	-	-	1	-	1	-	-	-
Traumatic,	12	2	14	-	-	-	1	-	1	-	-	-
Totals,	109	86	195	2	2	4	9	14	23	39	4	43

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital — Concluded.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholic.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Mental: —												
Fright,	-	1	1	-	-	-	-	-	-	-	-	-
Grief,	-	8	8	-	-	-	-	2	2	-	-	-
Grief and trouble,	1	-	1	-	-	-	-	-	-	-	-	-
Heredity,	15	10	25	15	10	25	-	-	-	2	-	2
Overstudy,	-	1	1	-	1	1	-	-	-	-	-	-
Religious excitement,	-	1	1	-	-	-	-	-	-	-	-	-
Worry,	9	19	28	-	-	-	3	8	11	-	-	-
Worry and deprivation,	-	2	2	-	-	-	-	1	1	-	-	-
Worry and grief,	-	1	1	-	-	-	-	-	-	-	-	-
Worry and ill health,	-	1	1	-	-	-	-	-	-	-	-	-
Worry and overwork,	3	4	7	-	-	-	1	-	1	-	-	-
Totals,	28	48	76	15	11	26	4	11	15	2	-	2
Unknown,	22	35	57	-	-	-	7	6	13	-	-	-
Totals,	159	169	328	17	13	30	20	31	51	41	4	45

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	First admitted to Any Hospital.		
	Males.	Females.	Totals.
Congenital,	8	5	13
Under 1 month,	28	38	66
From 1 to 3 months,	29	37	66
3 to 6 months,	23	17	40
6 to 12 months,	9	11	20
1 to 2 years,	16	15	31
2 to 5 years,	16	18	34
5 to 10 years,	8	5	13
10 to 20 years,	–	2	2
Over 20 years,	–	1	1
Totals,	137	149	286
Unknown,	22	20	42
Totals,	159	169	328
Average known duration (in years),	2.94	2.32	2.60

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																				
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.			Not Insane.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																								
Alcoholic insanity,	33	2	35	12	2	14	2	-	2	3	-	3	2	-	2	7	-	7	-	-	-	26	2	28
Dementia, organic,	10	6	16	-	-	-	-	-	-	-	-	-	1	-	1	6	5	11	-	-	-	7	5	12
Dementia, præcox,	20	32	52	4	4	8	4	4	8	1	2	3	9	6	15	2	-	2	-	-	-	20	16	36
Dementia, pre-senile,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia, senile,	30	30	60	-	-	-	4	1	5	1	3	4	1	2	3	18	23	41	-	-	-	24	29	53
Dementia, terminal,	-	1	1	-	-	-	-	-	-	-	1	1	1	1	2	-	1	1	-	-	-	1	3	4
Epileptic insanity,	2	2	4	-	-	-	-	-	-	-	-	-	1	-	1	2	3	5	-	-	-	3	3	6
Exhaustion psychosis,	1	10	11	-	2	2	-	-	-	-	-	-	-	-	-	1	5	6	-	-	-	1	7	8
General paresis,	17	13	30	-	-	-	1	1	2	-	1	1	-	2	2	15	6	21	-	-	-	16	10	26
Imbecility,	8	6	14	-	-	-	-	1	1	-	-	-	-	1	1	1	1	2	-	-	-	1	3	4
Involution melancholia,	3	8	11	2	3	5	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	3	4	7
Manic depressive,	17	24	41	10	28	38	1	-	1	-	2	2	-	1	1	-	-	-	-	-	-	11	31	42
Paranoia,	9	26	35	-	-	-	3	1	4	1	4	5	3	7	10	1	5	6	-	-	-	8	17	25
Toxic insanity,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Traumatic insanity,	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undiagnosed,	4	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not insane,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	3	-	3
Total A,	159	169	328	28	39	67	15	8	23	6	13	19	18	21	39	55	49	104	3	-	3	125	130	255

B. — Other admissions: —																								
Alcoholic insanity,	7	2	9	2	-	2	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	4	1	5
Dementia, organic,	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	1	1	2
Dementia, præcox,	9	8	17	-	-	-	4	-	4	1	1	2	-	2	2	-	1	1	-	-	-	5	4	9
Dementia, senile,	1	3	4	-	-	-	1	2	3	-	1	1	1	1	2	-	3	3	-	-	-	2	7	9
Dementia, terminal,	2	2	4	-	-	-	2	-	2	-	-	-	-	1	1	4	1	5	-	-	-	6	2	8
Epileptic insanity,	1	1	2	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	1	2
Exhaustion psychosis,	-	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	2	3
General paresis,	3	2	5	-	-	-	1	-	1	-	-	-	-	-	-	4	2	6	-	-	-	5	2	7
Imbecility,	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Involution melancholia,	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2
Manic depressive,	12	18	30	6	18	24	-	3	3	-	2	2	-	-	-	-	2	2	-	-	-	6	25	31
Paranoia,	13	11	24	-	-	-	2	3	5	2	2	4	1	1	2	-	2	2	-	-	-	5	8	13
Toxic insanity,	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Undiagnosed,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total B,	51	51	102	10	20	30	12	9	21	4	6	10	2	7	9	10	13	23	-	-	-	38	55	93
Aggregate cases,	210	220	430	38	59	97	27	17	44	10	19	29	20	28	48	65	62	127	3	-	3	163	185	348
Aggregate persons,	210	217	427	37	59	96	27	17	44	10	19	29	20	28	48	65	62	127	3	-	3	162	185	347

11. — Discharges of the Insane classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Much improved.			Improved.			Not improved.			Died.			Not Insane.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . .	31	46	77	22	14	36	7	16	23	20	28	48	63	57	120	3	–	3	146	161	307
Second to this hospital, . .	6	7	13	4	3	7	3	2	5	–	–	–	2	5	7	–	–	–	15	17	32
Third to this hospital, . .	–	2	2	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	2	3
Fourth to this hospital, . .	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2
Fifth to this hospital, . .	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2
Sixth to this hospital, . .	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1
Seventh to this hospital, .	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Total cases, . . .	38	59	97	27	17	44	10	19	29	20	28	48	65	62	127	3	–	3	163	185	348
Total persons, . . .	37	59	96	27	17	44	10	19	29	20	28	48	65	62	127	3	–	3	162	185	347
First admitted to any hospital,	28	39	67	15	8	23	6	13	19	18	21	39	55	49	104	3	–	3	125	130	255

12. — Causes of Death, and Form of Mental Disease in Persons who died.

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity.			Paranoia.			General Paresis.			Organic Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
terminal dementia,	-	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-
senile dementia,	12	24	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
general paresis,	13	6	19	-	-	-	-	-	-	-	-	-	-	-	-	13	6	19	-	-	-
Status epilepticus,	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute delirium,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exhaustion psychosis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory system: —																					
Pneumonia,	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
Pneumonia and myocarditis,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and general tuberculosis,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Pneumonia and endocarditis,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary embolism,	2	-	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Pulmonary gangrene,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis,	4	8	12	-	-	-	1	-	1	2	-	2	1	3	4	-	-	-	-	-	-
Circulatory system: —																					
Endocarditis and thrombus of pulmonary artery,	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Endocarditis and inflammatory rheumatism,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syncope,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral apoplexy,	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
Mitral stenosis,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Fatty degeneration and rupture of heart,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvular disease of heart,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Myocarditis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

12. — Causes of Death, and Form of Mental Disease in Persons who died — Continued.

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity.			Paranoia.			General Paresis.			Organic Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General:—																					
Gangrene of leg,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sarcoma of liver.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Convulsions,	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5	-	-	-
Interstitial nephritis and uremia,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pernicious anæmia,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic colitis and œdema of lungs,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver and pneumonia,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Diffuse nephritis and endocarditis,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia and embolism,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Interstitial nephritis,	2	1	3	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	-	2
General tuberculosis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Miliary tuberculosis,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Totals,	65	62	127	-	2	2	1	1	2	8	-	8	1	7	8	20	8	28	7	5	12

12. — Causes of Death, and Form of Mental Disease in Persons who died — Continued.

CAUSES.	Terminal Dementia.			Senile Dementia.			Toxic Insanity.			Exhaustion Psychosis.			Involution Melancholia.			Epileptic Insanity.			Imbecility.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
terminal dementia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
senile dementia,	-	-	-	12	24	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
general paresis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Status epilepticus,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute delirium,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3	-	-	-
Exhaustion psychosis,	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-
Respiratory system: —																					
Pneumonia,	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and myocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and general tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and endocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary embolism,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary gangrene,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis,	-	-	-	-	1	1	-	-	-	-	1	1	-	-	-	-	2	2	-	1	1
Circulatory system: —																					
Endocarditis and thrombus of pulmonary artery,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endocarditis and inflammatory rheumatism,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syncope,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Cerebral apoplexy,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitral stenosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fatty degeneration and rupture of heart,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvular disease of heart,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	Terminal Dementia.			Senile Dementia.			Toxic Insanity.			Exhaustion Psychosis.			Involution Melancholia.			Epileptic Insanity.			Imbecility.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General: —																					
Gangrene of leg,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sarcoma of liver,	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Carcinoma,	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Convulsions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interstitial nephritis and uremia,	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-
Pernicious anæmia,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic colitis and œdema of lungs,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver and pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diffuse nephritis and endocarditis,	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Septicemia and embolism,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interstitial nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Miliary tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	3	2	5	18	26	44	1	-	1	2	6	8	1	1	2	2	3	5	1	1	2

13. — Duration of Mental Disease and its Treatment in Patients recovered and died.

Period.	First admitted to any hospital.									All other admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Congenital,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	10	11	21	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	5	8	13	2	6	8	1	5	6	–	–	–	–	–	–
3 to 6 months,	4	3	7	19	15	34	16	12	28	–	2	2	2	5	7
6 to 12 months,	1	3	4	5	12	17	6	15	21	3	5	8	3	3	6
1 to 2 years,	2	1	3	1	3	4	3	3	6	5	9	14	5	9	14
2 to 5 years,	–	2	2	1	3	4	2	4	6	2	2	4	–	3	3
5 to 10 years,	–	–	–	–	–	–	–	–	–	–	2	2	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	22	28	50	28	39	67	28	39	67	10	20	30	10	20	30
Unknown,	6	11	17	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	28	39	67	28	39	67	28	39	67	10	20	30	10	20	30
Average of known cases (in months),	2.59	1.84	2.17	6.05	7.65	6.98	8.07	9.25	8.76	20.07	23.42	22.53	12.30	15.80	14.63

13. — Duration of Mental Disease and its Treatment in Patients recovered and died — Concluded.

PERIOD.	First admitted to Any Hospital.									All Other Admissions					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —															
Congenital,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	5	6	11	8	10	18	4	4	8	–	–	–	–	1	1
From 1 to 3 months,	14	7	21	14	6	20	5	3	8	–	1	1	–	–	–
3 to 6 months,	8	7	15	4	7	11	7	5	12	1	–	1	1	–	1
6 to 12 months,	5	7	12	10	6	16	8	3	11	–	2	2	–	3	3
1 to 2 years,	5	8	13	11	3	14	12	6	18	3	1	4	3	2	5
2 to 5 years,	6	5	11	6	11	17	9	14	23	–	2	2	–	2	2
5 to 10 years,	4	5	9	1	4	5	7	8	15	2	1	3	2	1	3
10 to 20 years,	2	2	4	1	2	3	1	5	6	3	4	7	4	4	8
Over 20 years,	–	–	–	–	–	–	2	1	3	1	2	3	–	–	–
Totals,	50	48	98	55	49	104	55	49	104	10	13	23	10	13	23
Unknown,	5	1	6	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	55	49	104	55	49	104	55	49	104	10	13	23	10	13	23
Average of known cases (in months),	25.18	26.71	25.87	14.11	25.24	19.46	36.81	50.45	42.94	107.80	106.30	106.96	85.30	67.76	75.39

LIST OF PERSONS

Employed at the Westborough Insane Hospital, Sept. 30, 1905.

Superintendent and physician,	$3,000 00	per year.
Assistant superintendent and physician,	1,800 00	" "
Assistant physician,	1,100 00	" "
Assistant physician,	1,000 00	" "
Assistant physicians (two), each,	600 00	" "
Pathologist,	1,200 00	" "
Steward,	1,200 00	" "
Treasurer,	500 00	" "
Clerk,	50 00	per month.
Assistant clerk,	25 00	" "
Secretary to superintendent,	30 00	" "
Record clerk,	35 00	" "
Pharmacist,	22 00	" "
Supervisor (female),	75 00	" "
Supervisor (male),	55 00	" "
Assistant supervisors (female, two), each,	25 00	" "
Head seamstress,	30 00	" "
Seamstresses (four),	$14 00 to 20 00	" "
Nurses (male, forty-two),	20 00 to 33 00	" "
Nurses (female, sixty-seven),	14 00 to 25 00	" "
Night watchman,	32 00	" "
Baker,	80 00	" "
Storekeeper,	35 00	" "
Meat cutter,	40 00	" "
Office girl,	16 00	" "
Hall boy,	12 00	" "
Housekeeper,	30 00	" "
Cook (male),	60 00	" "
Cook, pastry (female),	22 00	" "
Cook, Talbot (female),	30 00	" "
Cook, Stanley (female),	24 00	" "

Cook, Osgood (female),	$24 00	per month.
Cook, Warren (female),	25 00	" "
Cook, Speare (female),	24 00	" "
Cook, Richmond (female),	25 00	" "
Cook, farm house (female),	20 00	" "
Cook, order (female),	25 00	" "
Cook, second (male),	22 00	" "
Head laundress,	50 00	" "
Laundry helpers (male, two),	25 00 and 30 00	" "
Laundry helpers (female, six),	16 00 and 20 00	" "
Kitchen helpers (male, two),	14 00 and 18 00	" "
Kitchen helpers (female, four),	16 00 and 18 00	" "
Basement boys (three),	16 00 and 20 00	" "
Scullery man,	20 00	" "
Waitresses (six),	16 00 and 18 00	" "
Chambermaids (three),	10 00 to 25 00	" "
Head carpenter,	75 00	" "
Carpenters (three),	2 50	per day.
Painter,	2 50	" "
Engineer,	1,200 00	per year.
Assistant engineers (two),	45 00 and 75 00	per month.
Assistant engineers (two), each,	30 00	" "
Engineer's helpers (two),	25 00 and 35 00	" "
Firemen (five), each,	30 00	" "
Farmer,	1,000 00	per year.
Farm foreman,	35 00	per month.
Farm watchman,	25 00	" "
Farm laborers (sixteen),	18 00 to 28 00	" "
Gardener,	60 00	" "
Assistant gardeners (three),	20 00 and 25 00	" "
Coachman,	34 00	" "
Expressman,	18 00	" "
Blacksmith,	38 00	" "

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For Year ending Sept. 30, 1905.

624 aprons, white.
64 aprons, colored.
72 aprons, waiters.
67 aprons, ticking.
120 bags, laundry.
18 bags, tea.
89 bags, coffee.
51 bags, individual.
75 pairs bed socks.
276 bedspreads tagged.
48 bibs.
460 pairs blankets bound and tagged.
5 bolsters made and filled.
9 canvas bed sheets, with jackets.
13 canvas bed covers.
2 canvas bread covers.
14 canvas camisoles.
4 canvas mitts.
13 canvas muffs.
3 canvas anklets.
72 canvas lacings.
18 canvas straps.
3 canvas combination suits.
49 coats, waiters.
24 coat sleeves shortened.
155 pairs curtains, sash.
100 curtains, screen.
43 curtains, colored, heavy.
241 curtains, shades made.
132 curtains, shades hemmed.
286 chemises.
16 corset covers.
60 dresses, denim, restraint.
91 dresses, denim.
301 drawers.
90 dusters.
28 gloves tagged.
50 jumpers tagged.
8 kimonas.
130 linen table cloths.
102 linen tray cloths.
924 linen napkins.
170 linen bureau scarfs.
110 linen table scarfs.
77 linen table squares.
114 linen pillow shams.
103 neckties tagged.
396 napkins, sanitary.
234 night dresses, bleached.
522 night dresses, unbleached.
216 night dresses, short.
45 pairs overalls tagged.

36 pads.
436 pillow slips, bleached.
1,064 pillow slips, unbleached.
84 pillow slips, Talbot.
175 rugs bound.
162 pair socks tagged.
6 surgeon's caps.
2 surgeon's gowns.
24 sunbonnets.
12 shirt waists.
48 shirt waist suits.
14 sofa pillow covers.
8 sheets, 10/4, bleached.
12 sheets, 9/4, bleached.
639 sheets, 7/4, bleached.
2,006 sheets, 7/4, unbleached.
2 shirts, white.
515 shirts, outing.
72 shirts, night, bleached.
96 shirts, night, unbleached.
144 shirts, night, short.
218 skirts, short.
255 skirts, long.
57 ticks, pillow.
167 ticks, mattress.
126 towels, roller.
3,340 towels, roller, patients'.
54 towels, glass.
864 towels, dish.
70 pairs trousers shortened.
29 vests enlarged.
6 bread cloths.
6 dresses refitted.

PRODUCTS OF THE FARM.

Oct. 1, 1904, to Oct. 1, 1905.

Apples, 46,600 pounds,	$670 00
Asparagus, 2,785 pounds,	67 64
Beans, string, 2,359 pounds,	47 18
Beans, shell, 2,817 pounds,	56 34
Beef, 2,552 pounds,	183 29
Beets, 43,003 pounds,	448 97
Beet greens, 665 pounds,	13 10
Blackberries, 128 pounds,	10 24
Cabbage, 67,413 pounds,	808 26
Carrots, 9,885 pounds,	100 03
Celery, 1,200 pounds,	72 00
Cider, 1,081 pounds,	11 50
Corn, 20,242 pounds,	202 24
Chard, 4,831 pounds,	136 38
Cucumbers, 6,195 pounds,	100 00
Currants, 54 pounds,	4 32
Eggs, 1,724¾ pounds,	267 87
Hay, English, 150 tons,	2,400 00
Hay, meadow, 9 tons,	90 00
Hay, rowen, 10 tons,	120 00
Ensilage, 650 tons,	3,250 00
Green feed, 90 tons,	360 00
Corn, stover, 10 tons,	80 00
Corn, 2¾ tons,	75 00
Ice, 1,000 tons,	1,000 00
Amount carried forward,	$10,574 36

Amount brought forward,	$10,574 36
Lumber, 13,000 feet,	364 00
Leek, 1,500 pounds,	30 00
Lettuce, 3,523 pounds,	141 11
Milk, 590,499 pounds,	11,809 98
Onions, 36,707 pounds,	734 34
Parsley, 65 pounds,	3 25
Parsnips, 16,375 pounds,	327 50
Pears, 3,090 pounds,	41 85
Peppers, 279 pounds,	8 82
Peas, 1,968 pounds,	54 18
Poultry, 1,331¾ pounds,	229 95
Pork, 35,966 pounds,	2,344 31
Potatoes, 50,080 pounds,	500 80
Radishes, 427½ pounds,	19 88
Raspberries, 93 pounds,	9 30
Rhubarb, 5,029 pounds,	50 29
Quinces, 75 pounds,	2 52
Strawberries, 40 pounds,	4 00
Spinach, 6,731 pounds,	222 43
Squash, summer, 2,662 pounds,	53 24
Squash, 36,691 pounds,	733 82
Tomatoes, 19,336 pounds,	196 68
Turnips, 58,050 pounds,	580 50
Veal, 144 pounds,	14 40
Wood, 10 cords,	40 00
	$29,091 51

PRODUCTS ON HAND OCT. 1, 1905.

Apples, 40,800 pounds,	$612 00
Beans, shell, 600 pounds,	12 00
Beets, 39,215 pounds,	392 15
Cabbage, 54,000 pounds,	540 00
Amount carried forward,	$1,556 15

Amount brought forward,	$1,556 15
Cabbage fodder, 5,500 pounds,	11 00
Carrots, 9,650 pounds,	96 50
Celery, 1,200 pounds,	72 00
Corn, 2,800 pounds,	28 00
Corn, field, 7,500 pounds,	75 00
Corn, stover, 10 tons,	80 00
Hay, English, 125 tons,	1,968 00
Hay, meadow, 9 tons,	90 00
Hay, rowen, 10 tons,	120 00
Ensilage, 650 tons,	3,250 00
Ice, 200 tons,	200 00
Lumber, 13,000 feet,	364 00
Leek, 1,500 pounds,	30 00
Onions, 35,000 pounds,	700 00
Parsnips, 16,300 pounds,	326 00
Pears, 1,800 pounds,	22 50
Peppers, 140 pounds,	4 20
Potatoes, 23,330 pounds,	233 30
Quinces, 75 pounds,	2 52
Squash, 35,000 pounds,	710 00
Tomatoes, 7,000 pounds,	70 00
Turnips, 57,000 pounds,	570 00
Wood, 110 cords,	440 00
	$11,019 17

SUMMARY OF THE FARM ACCOUNT.

Dr.

Bedding for cattle,	$349 22
Blacksmith's supplies,	217 34
Blankets,	28 50
Board of farmers,	4,364 34
Cart, dump,	73 00
Cows,	377 50
Farm repairs,	698 34
Fertilizers,	766 88
Fencing,	53 82
Harnesses,	184 90
Harness repairs,	43 78
Hay and grain,	7,488 50
Horses,	1,000 00
House rent,	144 00
Machinery and implements,	519 54
Motors for silos and ice houses,	191 80
Seeds and plants,	235 23
Sled,	135 00
Swill,	734 00
Wagon repairs,	59 20
Wages of farmers,	6,979 34
Wages and board of attendant,	571 95
Whips,	9 50
Veterinary,	6 00
	$25,231 68
Profit of the farm to balance,	2,819 90
	$28,051 58

Cr.

Apples, 31,975 pounds,	$319 75
Asparagus, 2,785 pounds,	67 64
Beans, lima, 16 pounds,	32
Beans, shell, 2,217 pounds,	44 34
Beans, string, 2,359 pounds,	47 18
Beef, 2,557 pounds,	183 29
Beets, 25,877 pounds,	388 19
Beet greens, 655 pounds,	13 10
Blackberries, 128 pounds,	10 24
Broilers, 42 pounds,	8 54
Cabbage, 42,671 pounds,	853 42
Carrots, 6,379 pounds,	95 69
Celery, 1,263 pounds,	44 02
Chard, 4,845 pounds,	137 08
Chicken, 516¾ pounds,	102 05
Cider, 1,081 pounds,	11 50
Corn, 17,834 pounds,	178 34
Cucumbers, 6,195 pounds,	100 00
Currants, 54 pounds,	4 32
Eggs, 1,724¾ pounds,	268 05
Fowl, 746 pounds,	119 36
Ice, 580¾ tons,	1,161 50
Leek, 92 pounds,	1 84
Lettuce, 3,830 pounds,	154 51
Milk, 590,499 pounds,	11,809 98
Onions, 2,541 pounds,	51 02
Parsley, 65 pounds,	3 25
Parsnips, 11,628 pounds,	232 56
Peas, 1,968 pounds,	54 18
Pears, 2,998 pounds,	44 97
Peppers, 223 pounds,	8 87
Pork, 35,966 pounds,	2,344 31
Potatoes, 37,743 pounds,	375 19
Radishes, 427¾ pounds,	19 88
Raspberries, 98 pounds,	9 30
Rhubarb, 5,029 pounds,	50 29
Spinach, 7,631 pounds,	222 43
Amount carried forward,	$19,540 50

Amount brought forward,	$19,540 50
Squash, 23,815 pounds,	476 30
Squash, summer, 410 pounds,	8 20
Strawberries, 40 pounds,	4 00
Tomatoes, 11,424 pounds,	117 57
Tomatoes, green, 4,155 pounds,	41 55
Turnips, 35,306 pounds,	353 06
Veal, 144 pounds,	14 40
Quinces, 30 pounds,	1 20
Wood, 57 cords,	285 00
Shoeing, repairing, etc.,	261 81
Labor, men, 1,391¾ days, at $1.75,	2,435 56
Labor, teams, 1,242¾ days, at $2.75,	3,417 57
Oats, 718 pounds,	381 92
Straw, 3,201 pounds,	38 22
Corn, 1,780 pounds,	21 61
Bran, 1,150 pounds,	13 64
Grease, 4,927 pounds,	98 54
Feed, 1,578 pounds,	18 41
Hay, 20,000 pounds,	160 00
Sales: —	
Cows,	196 77
Calves,	125 50
Hides,	23 49
Junk,	9 56
Shoeing,	7 20
	$28,051 58

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PUBLIC DOCUMENT . . . . . No. 30.

TWENTY-SECOND ANNUAL REPORT

OF

THE TRUSTEES

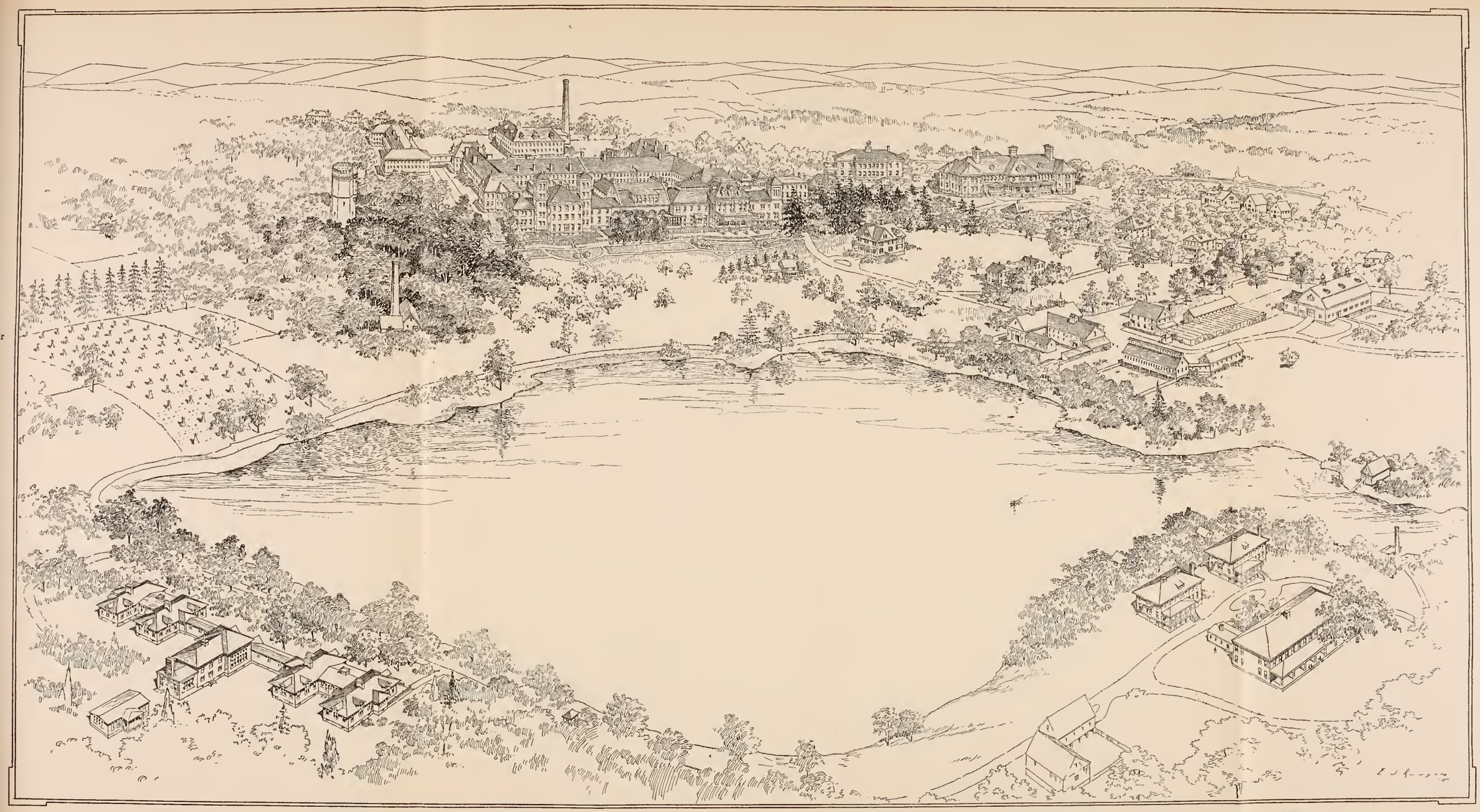
OF THE

WESTBOROUGH INSANE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1906.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1907.


Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Codman Building.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Laundry.
Richmond Colony.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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Mass. Westborough State Hospital (Insane)

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman*,	BOSTON.
ELIZA C. DURFEE, *Secretary*,	FALL RIVER.
BENJAMIN W. CHILDS,	WORCESTER.
SARAH B. WILLIAMS,	TAUNTON.
LEWIS R. SPEARE,	BOSTON.
WILLIAM AVERY CAREY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	2,000
E. RAY BUHRMAN, M.D., *Assistant Physician*,	1,000
WILLIAM W. COLES, M.D., *Assistant Physician*,	800
RUTH BARKER-COLES, M.D , *Assistant Physician*,	600
M. M. JORDAN, M.D., *Assistant Physician*,	600
MARY JOHNSON, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,200
MELVILLE L. STACY, *Steward*,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully submit their twenty-second annual report.

The Legislature of 1905–06 very wisely granted the sum of $35,000 to procure a new and much needed water supply, with permission to contract with the Metropolitan Water Board for the same. Satisfactory arrangements were made with said Board, and the work of establishing the system is progressing as favorably as could be expected, and the new water supply will, without doubt, be available in early spring. The requirements of the State Board of Health, obliging us to arrange for a temporary supply for use during such periods, as, for any cause, the supply from the metropolitan aqueduct should be cut off, render it necessary to extend pipes from the main administration building to connect with pipes already supplying from Westborough, the Warren farm and Richmond cottages, details of which will be found in the superintendent's report appended. This expense was not anticipated at the time of the appropriation for water supply purposes; we therefore ask for the sum of $1,400 to enable us to make this extension.

Notice has been given by the inspector of the Massachusetts District Police that the water pipes laid for the fire protection of our buildings are inadequate, we therefore ask for an appropriation of $1,000 for additional pipes of approved size for fire protection.

The hospital met with a serious loss by fire in the early evening of August 17, whereby one of the large cattle barns

was totally destroyed, with the loss of seventeen head of stock and a large quantity of grain and hay. The Legislature not being in session, and there being no available funds for rebuilding, temporary accommodations for the winter housing of young stock, then in pasture, were made in various old barns on the hospital grounds, and the milk supply for the hospital has been maintained by purchase. The need of a new barn for the accommodation of present and new stock is imperative, and we would respectfully urge the early appropriation of the sum of $13,000 for the building of a new barn, and $1,500 for the purchase of new stock.

The present storehouse for the hospital supplies, situated, as it is, in the cellar of the old or administration building, has never been satisfactory. The hospital demands on the bakery and steam laundry have completely outgrown their present capacity. The trustees, therefore, endorse the suggestion of Superintendent Adams for solution of these problems, and would respectfully ask for the needed appropriations for the same, to wit: —

For a service and storage building and refrigerating plant, the sum of $24,000.

For building and equipping a new bakery, the sum of $6,500.

The building for the use of the pathologist has been completed and occupied during the past summer. It is eminently satisfactory.

The building for the accommodation of tubercular patients is nearing completion, having been built by our own labor, and will afford opportunity for the modern and much needed treatment for this class of patients.

The provisions of the eight-hour law regarding hospital employees have been in force since Aug. 1, 1906. The principal matter in this connection is the necessity for more room for the care of an increased number of employees, necessitated by the change in hours.

At certain times of the year great difficulty has been encountered in obtaining suitable male attendants, and this difficulty increases from year to year. The hours of service are long and the pay is comparatively small, having by no means kept pace with the general increase of wages. The require-

ments which make a good male attendant for the insane are much above the ability of the average day workman or serving man, and should receive adequate compensation, not only enough to enable him to eke out an existence, but sufficient to make him contented with his work, and encourage him to perfect himself and look to his position as a permanent employment, rather than, as is now too often the case, a make-shift until he can find something better to do.

Isolated as the Westborough Hospital is, we believe it would be good policy for the Commonwealth to build upon the hospital domain inexpensive but comfortable houses for their married employees, which could be rented for a sum sufficient to cover the interest on the investment and the maintenance. Such an arrangement would tend to permanency of employment, and many a valuable servant to the hospital would be retained who now, under present conditions, is lost.

The total expenditure for the fiscal year from Jan. 1, 1906, to Nov. 30, 1906, was $185,364.12, a weekly per capita cost for this period of $4.25. The hospital treasurer returned to the State treasury $55,375.69, leaving the cost of maintenance to the State $130,588.53, a weekly per capita cost of $2.98.

This reduction of the per capita cost to the State is rendered possible by the large number of private patients, — greater at this time than ever before. This is very encouraging, inasmuch as it shows a tendency on the part of the public to realize that the State hospitals are really hospitals for the treatment, and when possible, the cure, of the insane, and not alone asylums for their detention.

Again, the State institution can afford and does take private patients for a less price than it is possible for private sanitaria to do. As a result of this many people of moderate means, who could not afford the luxury of a private sanitarium, are willing to send patients to a State institution at a moderate expense when their pride and self-respect would forbid this could the patient only go as a charge of the State. We believe this tendency of the public to send private patients to the State hospitals for the insane should be encouraged.

The movement of population will be seen in the superintendent's report and the appended statistical tables.

The Board respectfully asks for the following appropriations: —

$1,400 to extend water pipes to connect with Westborough supply.
$4,000 for laying large mains for fire protection.
$24,000 for service and storage building and refrigerating plant.
$13,000 for rebuilding barn, destroyed by fire.
$1,500 to replace stock lost by fire.
$6,500 for new bakery.

There have been but few changes on the medical staff during the past year. Their work has been eminently satisfactory, and the trustees herewith take pleasure in acknowledging their appreciation of the same.

There have been two changes in the personnel of this Board since the last annual report. Mr. Edward Hamlin, at the expiration of his term of office, February, 1906, declined reappointment, and was succeeded by Mr. William Avery Carey of Medford. Mr. Hamlin, by his business sagacity and general interest in affairs, gave to the hospital valuable and appreciated service.

In July of this year, Mr. John M. Merriam resigned and Mr. George B. Dewson of Cohasset accepted the place made vacant. Mr. Merriam as trustee and chairman of the Board met every claim with conscientious zeal and fidelity recognized by his associates.

JOHN L. COFFIN, M.D., *Chairman.*
ELIZA C. DURFEE, *Secretary.*
BENJ. W. CHILDS.
SARAH B. WILLIAMS.
LEWIS R. SPEARE.
WILLIAM AVERY CAREY.
GEO. B. DEWSON.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital.

I respectfully submit the report of the superintendent for the hospital year of fourteen months, ending Nov. 30, 1906.

The following table shows the movement of population for the past year: —

	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1905,	367	535	902
Admissions within the year,	264	353	617
Whole number of cases within the year,	631	888	1,519
Dismissed within the year,	240	335	575
Viz., to friends,	103	115	218
on visit,	62	84	146
died,	61	46	107
transferred,	4	89	93
escaped,	10	1	11
Patients remaining Nov. 30, 1906,	391	553	944
Daily average of patients,	368.58	540.81	909.39

During the hospital year there were 617 admissions. Of these, 451 were commitments of the insane, 20 of inebriates, 38 were transfers of the State Board of Insanity, 47 were voluntary, 59 returned from visit and 2 from escape. There were 575 patients discharged within the year, 218 going to their homes and friends, 93 removed by the State Board of Insanity and 11 escapes. There were 107 deaths and 146 are absent on visit.

The number of voluntary patients, 47, is 10 per cent. of the court commitments, and is larger than ever before in the history of the hospital. This is due to two causes. The first is that patients who are insane can be received as voluntary

patients if they understand what they are doing when they make the application; and second, voluntary patients may now be admitted as State patients upon the approval of the State Board of Insanity, and 9 have been so received during the year.

During this year the condition of those leaving the hospital has been stated only as found upon final discharge. As most of those going to friends go out on a visit of six months, the proper time to record their condition is at the end of this period.

The pathological building was completed and occupied last spring. Practically fire proof, well lighted, convenient and well supplied with accessories, it is, in all ways, very satisfactory.

The hand laundry for the women at Richmond cottages has been completed, and, as expected, the patients launder their own clothing and that of 100 patients at the Warren farm colony.

In the fall of 1905 there was a marked increase of phthisical cases in the hospital — 13 cases in the early stages having been received in two months. A temporary shack was erected near the Richmond cottages for convenience in care and supervision, and patients placed there a year ago. Several have had their lung affections cured, and, also improving mentally, have been sent home to their friends. An appropriation of $5,000 was given by the Legislature of 1906 for buildings to care for both men and women consumptives. A building for 20 tubercular women is being located at the south of Richmond colony, and, when completed, will permit the segregation of most of our consumptives from the other patients. A sanitarium for men will be started in the spring at the Warren farm colony.

On August 17, at a quarter of eight in the evening, fire was discovered in the new hospital barn, built in 1899. It spread so quickly that, though as many of the stock as possible were taken out, 13 cows and 4 calves were destroyed. In addition to the destruction of the buildings and stock there were 50 tons of hay in the barn. It was at once necessary to arrange for a daily purchase of 100 quarts of milk. The stock saved

were sent to the Stanley and Warren farm barns, and the old Warren farm barn was repaired and made ready to house the young stock when they came in from the pasture. I recommend that you ask for an appropriation to rebuild the barn, using the original plans, which require no changing, thereby saving the fee of the architect; and also ask for an appropriation to replace the stock lost by fire.

The Legislature of 1906 granted an appropriation of $35,000 for taking the water supply of the hospital from the metropolitan aqueduct, provided that the rate for water should not exceed $30 per million gallons. An agreement between your Board and the Metropolitan Water Board was made, setting the price per million gallons at $30. The Metropolitan Board also approved the plans of our engineer for the route and place of entering the aqueduct. The State Board of Health approved the plan, provided that when, for any reason, the metropolitan water could not be used the hospital secure a satisfactory supply elsewhere. The plan presented by your Board to meet these conditions, which was to connect our present pumping system with the nearest Westborough town supply at our Richmond buildings by 2,500 feet of 6-inch pipe, was accepted by the State Board of Health as satisfactory, and the town of Westborough is willing to furnish the water to the hospital. The appropriation for water supply did not provide for this expenditure, and is not sufficient to cover the expense, and I recommend that an appropriation be asked for to purchase the necessary pipes and connections, and we can use patients' labor and that of our own employees to lay the pipe.

The 10 and 12 inch pipe needed for the system was purchased, the pump, motor and other machinery ordered, and the contract to lay 5,000 feet of 12-inch suction main was awarded to the lowest bidders, Daniel A. Dorey & Co., for approximately $12,000, and the contractor will have the work completed in the spring. The excavating and filling for laying the 3,700 feet of 10-inch pipe for force main from the pumping station to the water tower has been done by patients' labor, and the pipe was laid, calked and tested by our engineer and his assistants. With the erection of the pumping station in the spring, the system will be ready for use.

The use of the basement for refrigerators for the care of the meat and other food supplies, and for storerooms, is not at all satisfactory, as the basement should be used wholly for fresh air supply. There should be a service building, above ground, containing a refrigerating plant for the preservation of meat, butter and eggs in quantity, and with storeroom capacity for the other supplies. Most of our ice supply is used for the preservation of food. The cost of harvesting our ice is not large, but the daily bringing it to the refrigerators in hot weather, when the farm teams are most needed, is costly, and our opportunity to purchase butter and eggs in June, when they are cheap, and store them, would be advantageous to the hospital, and we could also take care of a larger amount of meat than at present. I recommend that you ask for an appropriation for a service building with cold storage provided for perishable food; and storerooms for other supplies.

The present bakery is too small. The oven is not large enough for our present needs, and there is no separate apartment for the proper care of the bread when baked. The room at present used as a bakery will furnish needed additional accommodations for the laundry, and I recommend that you ask for an appropriation for a building with two ovens and a bread room separate from the bakery proper.

Better protection from fire to our outside buildings is needed. In this connection I quote Mr. Charles Adams of the Massachusetts District Police, the inspector of this district, who stated in a letter to me, dated Sept. 6, 1905: "Outside the hydrants are well placed, the steam pumps and water tower were in good condition, but the 4-inch mains leading to the farm buildings and stable seemed to me inadequate to do good service in case of fire."

The installation of a satisfactory pipe line can be made easier at the present time on account of the installation of our new water system. We can make connection with the 10-inch main of that supply, and with 3,000 feet of 8-inch pipe and fittings, and some additional hydrants, give all our outside buildings, especially the farm buildings, proper protection in the event of fire. I recommend that an appropriation be asked for the purpose of fire protection.

The last Legislature passed an eight-hour law for the benefit

of "all laborers, workmen and mechanics." While there was some doubt as to whether the law applied to those persons hired by the month, and who received board and lodgings as part of the remuneration, by direction of your Board, and under the opinion of the Attorney-General, I applied the provisions of the law at this hospital, Aug. 1, 1906. Statutes requiring additional employees, with increased expenditure by State institutions, should go into effect at the beginning of the next fiscal year. There should also be provision made for lodging the increased number of employees required. Fortunately the anticipated average increase of patients during the past fiscal year was not reached, and we have been able to close the year without a deficit.

The new statute did not apply to those most intimately concerned in the care of the patients, — the nursing force. The nurses deserve shorter hours of duty rather than any other of our employees. They are in direct relation with the insane; their duties, properly performed, are exacting, requiring a degree of vigilance, tact and patience not needed in other departments. They should have not only shorter hours of duty, but a return in wages nearer what such qualifications would receive outside of a hospital. Our women nurses, in their two years' service, receive as part of their remuneration the training which fits them for their profession of nursing; but few men care to become trained nurses, and opportunities for men nurses are few; therefore the position of ward attendant comes into competition with unskilled labor outside an institution. In twenty years their wages have practically remained the same, while the price of labor outside has increased 25 to 30 per cent. On this account this hospital, in common with all the institutions, finds increasing difficulty in securing responsible service. The wages should be increased to secure good service, but this can only be done by the concerted action of all the institutions for the insane, and the approval by the General Court of this item in our annual maintenance appropriation. Shortening the hours of labor means an increase in the number of these employees. Accommodations should be provided for the additional numbers needed by building additional cottages for lodging.

This hospital was opened Dec. 1, 1886, — twenty years ago.

The hospital was first planned for 405 patients; now we have accommodations for 950, under much more wholesome conditions. In these twenty years 7,247 cases have been received, and this year closes with a population of 944. Buildings to segregate and care for both the disturbed and quiet acute cases have been erected, the most important means for close observation, careful diagnosis and proper treatment. Two colonies, each for 100 patients, have been built, developing industry in those before idle, and at the same time giving much greater freedom than in the large institution. Open-air treatment for the tubercular insane became imperative, and was started a year ago, and the results are already gratifying. The complete segregation of these classes will soon be accomplished. Out-of-door life for the acute insane and nervous was also begun last summer, and the results demand its continuance during colder weather. I think that the results obtained in the care and treatment of our patients have justified the establishment and continued existence of this hospital.

Mrs. Elizabeth Osgood has again given $100 for the entertainment of patients. Mrs. Lewis Day gave $10 as an Easter gift to the patients.

Mrs. Lowe of Westborough sent us magazines, and Mrs. Teasdale of Westborough sent a box of books. Miss Reed of Boston also sent us a box of magazines. Mr. Charles Rea of Norwood sent a box containing periodicals and books.

Mrs. Henrietta Cushing of Brookline gave an entertainment for the patients on the evening of Nov. 15, 1905, and on November 27 the Current Literature Club of Westborough gave an entertainment for the benefit of the patients. The choir of the Universalist Church of South Framingham came to the hospital on the 14th of January and gave a concert for the patients.

Dr. M. M. Jordan, a graduate of the University of Minnesota, class 1904, was appointed junior assistant physician on the male side Oct. 18, 1905.

Dr. Ida J. Brooks resigned her position July 9, 1906, to return to Little Rock, Ark., and practise. Dr. E. R. Buhrman took the position of assistant physician on the women's ward and Dr. R. B. Coles was promoted to the position of

second assistant physician. Dr. Mary Johnson, graduate of Boston University School of Medicine, class 1903, was appointed junior physician July 26, 1906.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

Nov. 30, 1906.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

To the Trustees of the Westborough Insane Hospital.

The members of the Consulting Board have gathered in meetings twice during the year, as heretofore. They have discussed the medical matters of the hospital in general, and they have examined individuals who were brought before them, and have made recommendations to the superintendent and the trustees for their treatment. Individual members have visited the hospital during the year in the months assigned them as special visitors.

Surgical and special work has been done as follows: —

Dr. Winfield Smith has performed the following operations: —

1. Oöphorosalpingectomy.
2. Trachelorrhophy and perineorrhophy.
3. Oöphorosalpingectomy.
4. Hystero-Oöphorectomy.
5. Hystero-Oöphorectomy.
6. Trachelorrhophy and perineorrhophy.
7. Hæmorrhoidal (clamp and cautery).
8. Trachelorrhophy and perineorrhophy.
9. Trachelorrhophy and perineorrhophy.
10. Recto-vaginal fistulæ and perineorrhophy.
11. Perineorrhophy and cysto-trachelotomy.
12. Trachelorrhophy and perineorrhophy.
13. Hæmorrhoidal (clamp and cautery).

Dr. George A. Suffa has examined and treated 21 cases of eye diseases.

Dr. George B. Rice has done special work in diseases of the nose and throat.

Others of the Consulting Board have given opinions and advice, of which no record has been kept.

We feel that our visits and investigations warrant us in declaring the medical work to be very satisfactory, that the use of water, of electricity, of fresh air and exercise and occupation, in addition to medicine, are used appropriately and with advantage to the patient.

CHARLES L. NICHOLS, *Chairman.*
EDWARD P. COLBY.
WINFIELD SMITH.
JOHN P. SUTHERLAND.
HOWARD P. BELLOWS.
GEORGE A. SUFFA.
FREDERICK B. PERCY.
JOHN P. RAND.
GEORGE B. RICE.
N. EMMONS PAINE, *Secretary.*

Nov. 30, 1906.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, *Superintendent Westborough Insane Hospital.*

A report of the work done in the pathological laboratory for the hospital year, Sept. 30, 1905, to Nov. 30, 1906, is herewith respectfully submitted.

Within the year three papers based upon work done in this laboratory have been prepared for scientific societies, and a report of studies made in the laboratory during the years 1902 and 1903, to determine the histological changes produced after the administration of belladonna to animals, appeared as a special chapter of the volume edited by Prof. H. P. Bellows, and entitled "The Test Drug-proving of the A. O. O. and L. Society."

Forty-four autopsies were performed out of a total death-rate of 107. These autopsies have afforded a fairly rich material for study, portions of which were utilized in the preparation of two of the papers mentioned above, while another group of the cases is serving as the basis of an additional article, upon which work is now being done.

The activities in the purely clinical function of the laboratory have been of the same character as in the years previous. The total number of clinical examinations made during the period which this report covers was 1,934. Thus it will be seen that with the 44 autopsies there have been 1,978 accessions of material to the laboratory for study.

The present arrangement, which provides that the two junior assistant physicians shall assist in the work of the laboratory, has throughout the year proven satisfactory, and to this is due much of the year's success. The present plan thus enables the pathologist to devote more time to the histological study of the post-mortem material, and also to devote more time on the wards of the hospital in the study of the clinical aspects of

the cases which come here for treatment. A closer union of the wards and laboratory has been commented upon in previous reports, and as this has grown, an increase in the general effectiveness of the work in the laboratory has been noted. The interest which has been shown by all the members of the medical staff has been the most effective factor in bringing about this end.

During the early part of the summer the laboratory was transferred to the new quarters which have been especially provided. For a number of years the work has been conducted under the disadvantage of quarters ill adapted and with insufficient equipment, but in the present building all of these have been amply provided. It is the hope of your pathologist that the future activities of the new laboratory will justify the liberal outlay of the Commonwealth for this department of the hospital.

With a very high sense of appreciation for your continued support and encouragement, this report is

Respectfully submitted,

SOLOMON C. FULLER,
Pathologist.

Nov. 30, 1906.

REPORT OF THE TREASURER

For Fourteen Months ending Nov. 30, 1906.

Assets.

197 acres cultivated land, 123 acres pasturing, 83 acres woodland, 36 acres meadow, 17 acres sprout land, 10 acres unclaimed land, 9 acres grove land, 68 acres lawns, roads, walks, yards, etc., main hospital buildings, Talbot, Richmond, Codman, Speare and Dewson cottages, pathological building, sewage plant, heating plant, farm house, Stanley house, Houghton house, Warren house, Osgood cottage, Forbes cottage, Clark cottage, Knight cottage, steward's cottage, small cottage, superintendent's house, male employees' house, nurses' homes, Richmond laundry, main barn, Stanley barn, Warren barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boat house, Stanley hen house, coach house, flour and store room, store barn, carpenter shop and vegetable cellar, green house, waiting station, pumping station, ...		$712,125 00

Personal Estate.

Stock and supplies, as per inventory, . .	$138,376 85	
Cash on hand, ...	–	
		$138,376 85

Receipts.

Cash on hand Oct. 1, 1905, ...		$3,774 52	
Received from cities and towns, support of patients, ...		662 99	
Received from individuals, support of patients,		52,567 70	
Received from reimbursements, support of patients, ...		10,790 05	
Received from interest on bank account, . .		262 22	
Received from farm and farm products, . .		329 52	
Received from sale of: —			
Material, etc., ...	$441 95		
Sewing room material, . .	415 00		
Junk, ...	234 62		
Amounts carried forward, . .	$1,091 57	$68,387 00	

Amounts brought forward,	$1,091 57	$68,387 00	
Received from sale of — *Concluded.*			
Buttons, books and thermometers,	243 79		
Sundries,	73 84		
		1,409 20	
Received from rent,		215 00	
Received from board of workmen,		161 75	
Received from freight rebates,		9 51	
Received from Commonwealth on account current expenses,		236,510 65	
Received from Commonwealth on account special appropriations,		33,954 23	
			$340,647 34

EXPENSES.

1. Salaries and wages,		$89,872 86	
2. Food,		56,936 90	
3. Clothing and material,		8,290 58	
4. Furnishings,		12,747 44	
5. Heat, light and power,		14,534 51	
6. Repairs and improvements,		13,918 68	
7. Farm, stable and grounds,		15,999 72	
8. Miscellaneous: —			
Books, periodicals, etc,	$466 07		
Board of out patients,	293 18		
Chapel services and entertainments,	687 00		
Freight, expressage and transportation,	16,260 24		
Funeral expenses,	201 00		
Hose, etc.,	382 66		
Ice,	275 52		
Medicine and hospital supplies,	1,460 61		
Medical attendance,	656 32		
Manual training supplies,	120 25		
Postage,	583 60		
Printing and printing supplies,	636 37		
Return of runaways,	103 21		
Soap and laundry supplies,	1,865 96		
Stationery and office supplies,	649 15		
School books, etc.,	397 57		
Travel and expenses (official),	824 45		
Telephone and telegraph,	353 44		
Tobacco,	478 67		
Water,	280 03		
Sundries,	1,715 41		
		28,690 71	
Total current expenses,		$240,991 40	
Amount carried forward,		$240,991 40	

Amount brought forward, ...		$240,991 40	
For salaries and wages due Sept. 30, 1905, ...	$6,115 57		
For miscellaneous bills due Sept. 30, 1905, ...	10,908 47		
		17,023 84	
		$258,015 24	
Less schedule of salaries and wages and miscellaneous bills for November, 1906, approved but unpaid, and included in the foregoing itemized statement of current expenses, ...		21,597 64	
			$236,417 60
For rebate on account of prepaid board, ...			86 27
For payment to the Treasurer of the Commonwealth, account income, ...			70,182 46
For payment to the Treasurer of the Commonwealth, account unclaimed salaries and wages, ...			6 78
For payment to the Treasurer of the Commonwealth, account over allowance from special appropriations, . . .			200 00
For account of special appropriations, ...			33,754 23
For balance, cash on hand Nov. 30, 1906, ...			–
			$340,647 34

LIABILITIES.

Salaries and wages due Nov. 30, 1906, . .	$6,695 29	
Miscellaneous bills due Nov. 30, 1906, . .	14,902 35	
		$21,597 64

BILLS RECEIVABLE.

Due hospital for board of patients Dec. 1, 1906: —		
From cities and towns, ...	$243 74	
From individuals, ...	3,703 34	$3,947 08
Balance appropriation for current expenses, ...		$21,689 28

SUMMARY.

Total receipts, ...	$340,647 34
Total payments, ...	340,647 34
Cash on hand, ...	–
Bills receivable, ...	$3,947 08
Total available assets, ...	$3,947 08
Total indebtedness, ...	21,597 64

Total current expenses, $240,991.40.
Average number of patients, 909.39.
Average weekly cost, 4.35\frac{43}{100}$.
Average weekly cost, excluding extraordinary repairs and improvements, of $5,794.61, 4.24\frac{96}{100}$.

H. L. DAVENPORT,
Treasurer.

Examined and approved.

B. W. CHILDS,
WM. AVERY CAREY,
Auditing Committee.

REPORT OF THE AUDITOR.

WESTBOROUGH, MASS., Dec. 12, 1906.

To BENJAMIN W. CHILDS and WILLIAM A. CAREY, *Auditing Committee of the Westborough Insane Hospital.*

DEAR SIRS: — I have examined the accounts of the treasurer of the Westborough Insane Hospital for the year beginning Oct. 1, 1905, and ending Nov. 30, 1906, and report as follows: —

I have verified the cash balances reported as on hand Dec. 1, 1906, at the hospital and in the Framingham National Bank, and find the amounts as stated to be correct, after allowing for outstanding checks. I have seen, approved and receipted vouchers for all disbursements, both of patients and hospital funds, except vouchers forwarded to and audited by the Auditor of the Commonwealth. I have compared and verified all receipts of cash on the ledger accounts with patients, and find that the same have been duly entered in the cash book. I have found all footings to be correct in the cash book, and also certify that in my investigations I have found everything correct, except mislaid vouchers on patients' accounts to the amount of $5.24.

I find that the treasurer's report is an accurate transcript of the books.

E. H. BIGELOW,
Auditor.

SPECIAL APPROPRIATIONS.

On the first day of December, 1906, there remained unexpended the following balances of the several special appropriations: —

By the Legislature of 1902: For the alteration of the main building for pathological work, appropriated $5,000, reappropriated by the Legislature of 1904.

The Legislature of 1903 made the following special appropriations: —

	Balance Oct. 1, 1905.	Expended	Balance Dec. 1, 1906.
For erecting and furnishing building for 100 patients, . . .	$116 07	$116 07	–
For erecting and furnishing building for 50 nurses, ...	3,436 58	2,993 74	$442 84
	$3,552 65	$3,109 81	$442 84

The Legislature of 1904 made the following special appropriations: —

	Balance Oct. 1, 1905.	Expended.	Balance Dec. 1, 1906.
For building for pathological work, reappropriated, ...	$5,851 73	$5,829 84	$21 89
For constructing and furnishing houses for employees, . . .	6,588 61	5,267 53	1,321 08
	$12,440 34	$11,097 37	$1,342 97

The Legislature of 1905 made the following special appropriations : —

	Balance Oct. 1, 1905.	Expended.	Balance Dec. 1, 1906.
For constructing one-story building as laundry for Richmond building,	$2,322 38	$2,322 38	–

The Legislature of 1906 made the following special appropriations : —

	Appropriation.	Expended.	Balance Dec. 1, 1906.
For constructing and furnishing buildings for tuberculous patients,	$5,000 00	$2,786 09	$2,213 91
For obtaining and installing a new water supply, ...	35,000 00	15,162 98	19,837 02
	$40,000 00	$17,949 07	$22,050 93

H. L. DAVENPORT,

Treasurer.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Habitual Drunkards.			Voluntary. Not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males	Females.	Totals.	Males.	Females.	Totals.	Males	Females	Totals.
Patients in the hospital Sept. 30, 1905,	365	524	889	-	5	5	2	6	8	367	535	902
Admitted within the year,	212	269	481	-	19	19	13	15	28	225	303	528
Viz.: by commitment,	177	218	395	-	18	18	11	12	23	188	248	436
court,	173	205	378	-	18	18	-	-	-	173	223	396
voluntary,	4	13	17	-	-	-	11	12	23	15	25	40
by transfer,	6	25	31	-	-	-	-	-	-	6	25	31
from escape,	2	-	2	-	-	-	-	-	-	2	-	2
from visit,[1]	27	26	53	-	1	1	2	3	5	29	30	59
Whole number of cases within the year,	577	793	1,370	-	24	24	15	21	36	592	838	1,430
Dismissed within the year,	188	278	466	-	15	15	9	13	22	197	306	503
Viz.: discharged,	75	75	150	-	5	5	4	7	11	79	87	166
as recovered at time of leaving the hospital,	21	35	56	-	-	-	-	-	-	21	35	56
capable of self-support,	16	8	24	-	-	-	-	-	-	16	8	24
improved,	12	12	24	-	-	-	-	-	-	12	12	24
not improved,	26	20	46	-	-	-	-	-	-	26	20	46
not insane,	-	-	-	-	5	5	4	7	11	4	12	16
died,	50	42	92	-	-	-	-	-	-	50	42	92
transferred,	4	89	93	-	-	-	-	-	-	4	89	93
escaped,	7	-	7	-	-	-	2	-	2	9	-	9
on visit October 1,	52	72	124	-	10	10	3	6	9	55	88	143
Patients remaining Sept. 30, 1906,	389	515	904	-	9	9	6	8	14	395	532	927
Viz.: supported as State patients,	310	363	673	-	7	7	-	2	2	310	372	682
town patients,	-	-	-	-	1	1	-	-	-	-	1	1
private patients,	55	107	162	-	1	1	6	6	12	61	114	175
reimbursing patients,	24	45	69	-	-	-	-	-	-	24	45	69
Number of different persons within the year,	553	765	1,318	-	23	23	13	18	31	566	806	1,372
Number of different persons admitted,	190	249	439	-	18	18	11	12	23	201	279	480
Number of different persons admitted by commitment,	176	218	394	-	18	18	11	12	23	187	248	435
Persons recovered,	21	35	56	-	-	-	-	-	-	21	35	56
Daily average of patients,	358.81	519.40	878.21	-	8.90	8.90	5.89	12.26	18.15	364.70	540.56	905.26
Viz.: State patients,	286.90	398.73	685.63	-	6.84	6.84	-	2.46	2.46	286.90	408.03	694.93
town patients,	-	-	-	-	.52	.52	-	.62	.62	-	1.14	1.14
private patients,	47.65	84.69	132.34	-	1.54	1.54	5.89	9.18	15.07	53.54	95.41	148.95
reimbursing patients,	24.26	35.98	60.24	-	-	-	-	-	-	24.26	35.98	60.24

[1] Nominally admitted for discharge: males, 21; females, 19; total, 40.

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	158	194	352
Second to this hospital,	14	16	30
Third to this hospital,	2	4	6
Fourth to this hospital,	1	1	2
Fifth to this hospital,	1	1	2
Sixth to this hospital,	1	1	2
Eighth to this hospital,	–	1	1
Total cases,	177	218	395
Total persons,	176	218	394
Never before in any hospital for the insane,	140	167	307

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	61	38	33	72	36	35	133	74	68
Other New England States,	14	13	12	19	30	31	33	43	43
Other States,	10	4	7	15	6	4	25	10	11
Total native,	85	55	52	106	72	70	191	127	122
British Provinces,	6	13	17	17	20	20	33	33	37
England,	2	4	6	5	7	8	7	11	14
France,	2	1	2	–	1	1	2	2	3
Germany,	1	4	7	1	1	1	2	5	8
Ireland,	18	36	34	27	47	47	45	83	81
Italy,	1	1	1	–	–	–	1	1	1
Poland,	2	1	–	1	–	–	3	1	–
Russia,	4	5	4	3	4	4	7	9	8
Scotland,	2	7	5	2	2	2	4	9	7
Sweden,	2	2	–	4	4	4	6	6	4
Switzerland,	–	1	–	–	–	–	–	1	–
Turkey,	2	1	1	1	1	1	3	2	2
Wales,	1	1	1	–	–	–	1	1	1
West Indies,	1	2	1	–	–	–	1	2	1
Total foreign,	54	79	79	61	87	88	115	166	167
Unknown,	1	6	9	–	8	9	1	14	18
Totals,	140	140	140	167	167	167	307	307	307

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	-	-	-	-	1	1
Berkshire County,	-	1	1	-	-	-
Bristol County,	-	-	-	1	-	1
Essex County,	1	3	4	-	-	-
Franklin County,	-	1	1	1	-	1
Middlesex County,	40	52	92	9	19	28
Norfolk County,	21	29	50	2	6	8
Plymouth County,	5	2	7	5	2	7
Suffolk County,	55	60	115	16	20	36
Worcester County,	18	18	36	2	3	5
From Kansas,	-	1	1	-	-	-
Totals,	140	167	307	36	51	87
Cities and towns,	101	103	204	28	31	59
Country districts,	39	64	103	8	20	28

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	68	73	141
Married,	51	67	118
Widowed,	20	26	46
Divorced,	1	1	2
Unknown,	-	-	-
Totals,	140	167	307

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Agent,	1	Painters,	2
Boiler maker,	1	Pattern maker,	1
Bookkeeper,	1	Pedler,	1
Brakeman,	1	Plasterer,	1
Carriage manufacturer,	1	Plumber,	1
Carpenters,	5	Postal clerk,	1
Chemist,	1	Printer,	1
Cleanser,	1	Salesmen,	4
Clerks,	7	Sail maker,	1
Collector,	1	Sailors,	2
Conductor,	1	Sculptor,	1
Contractor,	1	Shoemakers,	9
Cooks,	3	Steamfitter,	1
Draftsman,	1	Stenographer,	1
Electricians,	2	Steward,	1
Engineer,	1	Stone cutter,	1
Farmers,	8	Students,	2
Grocers,	3	Tailor,	1
Harness maker,	1	Teamsters,	5
Hotel keeper,	1	Tinsmith,	1
Iron worker,	1	Trainer,	1
Janitor,	1	Undertaker,	1
Jewellers,	5	Waiters,	3
Laborers,	15	Watchmakers,	3
Laundryman,	1	Weavers,	2
Liveryman,	1	Wire worker,	1
Machinists,	4	Wood worker,	1
Mason,	1		
Merchants,	2	Total,	138
Motorman,	1	Unknown,	2
Moulders,	2		
None,	9		
Operatives,	3	Total,	140

G. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Artist,	1	Nurse,	1
Bookkeeper,	1	Operatives,	8
Clerk,	1	Proof-readers,	2
Companion,	1	Saleswoman,	1
Cook,	1	Seamstresses,	4
Designers,	2	Stenographers,	2
Domestics,	23	Students,	3
Dressmaker,	1	Straw worker,	1
Elocutionist,	1	Teachers,	2
Housekeepers,	9	Weaver,	1
Housewives,	16		
Laundresses,	2	Total,	107
None,	23		

WIFE OR DAUGHTER OF —

Baker,	1	Painters,	2
Blacksmith,	1	Piano tuner,	1
Brakeman,	1	Pressman,	1
Butchers,	2	Reed worker,	1
Cabinet maker,	1	Rubber worker,	1
Carpenters,	2	Sailor,	1
Clergyman,	1	Salesman,	1
Commercial traveler,	1	Stenographer,	1
Cook,	1	Stone cutter,	1
Dentist,	1	Tailor,	1
Electricians,	3	Teamster,	1
Engineers,	2	Time keeper,	1
Expressman,	1	Undertaker,	1
Farmers,	5	Whitesmith,	1
Foremen,	4	Watchmaker,	1
Grocer,	1		
Janitor,	1	Total,	56
Laborers,	5	Unknown,	4
Machinist,	1		
Mason,	1	Total,	60
Merchants,	3		
Operative,	1	Whole total,	167

7.—*Ages of Insane at First Attack, Admission and Death.*

AGES.	First admitted to Any Hospital.						Died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	2	3	5	–	–	–	2	2	4	–	–	–
15 years and less,	–	–	–	–	–	–	–	–	–	–	–	–
From 15 to 20 years,	3	2	5	5	2	7	–	–	–	–	–	–
20 to 25 years,	9	14	23	12	12	24	1	3	4	–	–	–
25 to 30 years,	8	19	27	13	22	35	1	1	2	3	2	5
30 to 35 years,	11	13	24	19	19	38	2	3	5	1	2	3
35 to 40 years,	20	16	36	21	19	40	7	1	8	7	4	11
40 to 50 years,	19	41	60	23	42	65	8	7	15	11	9	20
50 to 60 years,	16	16	32	21	28	49	10	8	18	13	6	19
60 to 70 years,	11	14	25	13	16	29	7	7	14	5	6	11
70 to 80 years,	8	2	10	10	5	15	4	5	9	8	8	16
Over 80 years,	2	2	4	3	2	5	1	1	2	2	5	7
Totals,	109	142	251	140	167	307	43	38	81	50	42	92
Unknown,	31	25	56	–	–	–	7	4	11	–	–	–
Totals,	140	167	307	140	167	307	50	42	92	50	42	92
Mean known ages (in years),	43.39	40.58	41.80	43.50	42.90	43.17	49.07	49.98	49.50	53.14	56.02	54.52

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	39	8	47	6	-	6	1	-	1	-	-	-
Apoplexy,	3	3	6	1	-	1	-	-	-	-	-	-
Arterio sclerosis,	9	4	13	1	1	2	-	-	-	4	-	4
Congenital,	2	4	6	-	-	-	-	-	-	-	-	-
Dissipation,	5	2	7	-	-	-	-	-	-	-	-	-
Drug habit,	-	2	2	-	-	-	-	-	-	-	-	-
Epilepsy,	3	1	4	1	-	1	-	-	-	-	-	-
Ill health,	6	18	24	1	11	12	3	3	6	-	-	-
Menopause,	-	8	8	-	2	2	-	1	1	-	-	-
Overwork,	2	5	7	2	-	2	1	4	5	-	-	-
Physical disease,	2	-	2	1	-	1	-	-	-	-	-	-
Pregnancy, puerperal and lactation,	-	5	5	-	-	-	-	1	1	-	-	-
Senility,	15	16	31	3	-	3	-	-	-	-	-	-
Shock,	1	-	1	-	-	-	-	-	-	-	-	-
Syphilis,	10	2	12	2	-	2	3	-	3	-	-	-
Sunstroke,	-	1	1	-	1	1	-	-	-	-	-	-
Surgical operation,	-	3	3	-	-	-	-	1	1	-	-	-
Traumatism,	1	1	2	1	-	1	-	1	1	-	-	-
Totals,	98	83	181	19	15	34	8	11	19	4	-	4

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital — Concluded.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Mental: —												
Fright,	-	4	4	-	1	1	-	2	2	-	-	-
Grief,	2	7	9	1	2	3	1	2	3	-	-	-
Grief and childbirth,	-	1	1	-	-	-	-	-	-	-	-	-
Heredity,	2	14	16	2	14	16	-	1	1	8	1	9
Overstudy,	-	1	1	-	1	1	-	-	-	-	-	-
Worry,	13	26	59	3	6	9	4	11	15	1	1	2
Worry and alcohol,	1	-	1	-	-	-	-	-	-	1	-	1
Worry and ill health,	2	6	8	1	2	3	-	1	1	-	-	-
Worry and overwork,	1	1	2	-	-	-	-	1	1	-	-	-
Totals,	21	60	81	7	26	33	5	18	23	10	2	12
Unknown,	21	24	45	-	-	-	5	8	13	-	-	-
Totals,	140	167	307	26	41	67	18	37	55	14	2	16

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	2	4	6
Under 1 month,	32	33	65
From 1 to 3 months,	17	29	46
3 to 6 months,	12	18	30
6 to 12 months,	10	15	25
1 to 2 years,	15	14	29
2 to 5 years,	20	18	38
5 to 10 years,	2	9	11
10 to 20 years,	–	3	3
Over 20 years,	–	–	–
Totals,	110	143	253
Unknown,	30	24	54
Totals,	140	167	307
Average known duration (in years),	1.20	2.40	1.87

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity, acute,	20	4	24	7	3	10	-	-	-	-	-	-	-	-	-	-	1	1	7	4	11
Alcoholic insanity, chronic,	13	7	20	-	-	-	3	-	3	2	-	2	2	-	2	-	2	2	7	2	9
Chronic neurasthenia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia, organic,	6	3	9	-	-	-	1	-	1	-	1	1	-	-	-	9	2	11	10	3	13
Dementia, præcox,	37	65	102	-	8	8	2	-	2	3	5	8	7	3	10	2	1	3	14	17	31
Dementia, pre-senile,	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Dementia, senile,	21	20	41	-	-	-	-	2	2	1	1	2	4	3	7	8	13	21	13	19	32
Dementia, terminal,	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Epileptic insanity,	4	2	6	-	1	1	-	-	-	1	-	1	1	-	1	1	-	1	3	1	4
Exhaustion psychosis,	1	4	5	1	-	1	-	-	-	-	-	-	-	-	-	-	3	3	1	3	4
General paresis,	17	6	23	-	-	-	1	-	1	1	-	1	5	3	8	15	3	18	22	6	28
Hysterical insanity,	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Imbecility,	2	4	6	-	-	-	2	-	2	1	-	1	1	-	1	2	1	3	6	1	7
Involution melancholia,	5	12	17	-	3	3	1	1	2	-	-	-	-	1	1	3	2	5	4	7	11
Korsakow's psychosis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manic depressive,	5	15	20	8	14	22	-	1	1	-	1	1	-	-	-	-	-	-	8	16	24
Paranoia,	3	9	12	-	-	-	1	1	2	1	1	2	-	2	2	1	2	3	3	6	9
Syphilitic insanity,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2
Toxic insanity,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Undiagnosed,	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total A,	140	167	307	16	30	46	11	5	16	10	9	19	20	13	33	43	32	75	100	89	189

B. — Other admissions: —																					
Alcoholic insanity, acute,	1	1	2	2	-	2	-	-	-	-	-	-	-	-	-	1	-	1	3	-	3
Alcoholic insanity, chronic,	4	2	6	-	-	-	1	1	2	-	-	-	-	1	1	-	-	-	1	2	3
Dementia, præcox,	11	20	31	-	1	1	-	1	1	-	2	2	2	5	7	-	3	3	2	12	14
Dementia, senile,	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2	2
Dementia, terminal,	1	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	1	1	1	1	2
Epileptic insanity,	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General paresis,	4	2	6	-	-	-	-	-	-	-	-	-	-	1	1	5	1	6	5	2	7
Hysterical insanity,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imbecility,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Involution melancholia,	2	1	3	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1	1	1	2
Manic depressive,	9	11	20	3	4	7	1	1	2	-	-	-	1	-	1	-	1	1	5	6	11
Paranoia,	2	5	7	-	-	-	2	-	2	1	1	2	3	-	3	1	-	1	7	1	8
Total B,	37	51	88	5	5	10	5	3	8	2	3	5	6	7	13	7	10	17	25	28	53
Aggregate cases,	177	218	395	21	35	56	16	8	24	12	12	24	26	20	46	50	42	92	125	117	242
Aggregate persons,	176	218	394	21	35	56	16	8	24	12	12	24	26	20	46	50	42	92	125	117	242

11. — Discharges of the Insane, classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			SELF-SUPPORTING.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, ...	19	31	50	13	6	19	11	10	21	24	17	41	50	37	87	117	101	218
Second to this hospital, ...	2	4	6	2	2	4	1	2	3	2	3	5	–	4	4	7	15	22
Third to this hospital, ...	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Fourth to this hospital, ...	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1
Total cases, ...	21	35	56	16	8	24	12	12	24	26	20	46	50	42	92	125	117	242
Total persons, ...	21	35	56	16	8	24	12	12	24	26	20	46	50	42	92	125	117	242
First admitted to any hospital, . .	16	30	46	11	5	16	10	9	19	20	13	33	43	32	75	100	89	189

12. — *Causes of Death, and Form of Mental Disease in Persons who died.*

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity.			Paranoia.			General Paresis.			Organic Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
terminal dementia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
senile dementia,	1	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
general paresis,	13	4	17	-	-	-	-	-	-	-	-	-	-	-	-	13	4	17	-	-	-
tabo paralysis,	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Syphilitic meningo encephalitis,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pacchymeningitis hemorrhagica interna,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pacchymeningitis hemorrhagica interna and œdema of lungs,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Hemorrhage beneath tentorium cerebelli,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Status epilepticus of traumatic epilepsy,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory system: —																					
Phthisis pulmonalis,	-	5	5	-	-	-	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
Phthisis pulmonalis and pleurisy with effusion,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and general paresis,	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	-	4	-	-	-
Pneumonia and general arterio sclerosis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pneumonia and chronic diffuse nephritis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and senile dementia,	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Circulatory system: —																					
Acute myocarditis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitral insufficiency and arterio sclerosis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitral stenosis, hypertrophy, and dilatation of heart,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvular heart disease,	3	1	4	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	-	1
Acute myocarditis and acute endocarditis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis and pericarditis with effusion,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral apoplexy,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Cerebral apoplexy and arterio sclerosis,	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Cerebral convulsions,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-

12. — Causes of Death, and Form of Mental Disease in Persons who died — Continued.

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity.			Paranoia.			General Paresis.			Organic Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General: —																					
General tuberculosis,	3	2	5	-	-	-	-	1	1	1	-	1	1	-	1	-	-	-	-	-	-
General tuberculosis and pleurisy with effusion,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastro-entero colitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pernicious anæmia and entero colitis,	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Chronic interstitial nephritis,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis and general arterio sclerosis,	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis and chronic interstitial myocarditis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of breast,	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Carcinoma of kidney,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic gastro enteritis and diffuse nephritis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute hemorrhagic nephritis, myocarditis and leptomeningitis,	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Acute enteritis and hypostatic pneumonia,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute gastro enteritis,	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver,	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Chronic gastritis with dilatation,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	50	42	92	-	1	1	2	4	6	1	3	4	2	2	4	20	4	24	9	2	11

12. — Causes of Death, and Form of Mental Disease in Persons who died — Continued.

CAUSES.	Terminal Dementia.			Senile Dementia.			Epileptic Insanity			Involution Melancholia.			Exhaustion Psychosis.			Imbecility.			Syphilitic Insanity.			Toxic Insanity.		
	Males.	Females.	Totals.	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Exhaustion of organic dementia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
terminal dementia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
senile dementia,	-	-	-	1	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
general paresis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tabo paralysis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilitic meningo encephalitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pacchymeningitis hemorrhagica interna,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
Pacchymeningitis hemorrhagica interna and œdema of lungs,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhage beneath tentorium cerebelli,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Status epilepticus of traumatic epilepsy,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Respiratory system: —																								
Phthisis pulmonalis,	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis and pleurisy with effusion,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and general paresis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and general arterio sclerosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and chronic diffuse nephritis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia and senile dementia,	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Circulatory system: —																								
Acute myocarditis,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitral insufficiency and arterio sclerosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Mitral stenosis, hypertrophy, and dilatation of heart,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valvular heart disease,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute myocarditis and acute endocarditis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis and pericarditis with effusion,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral apoplexy,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral apoplexy and arterio sclerosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral convulsions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	Terminal Dementia.			Senile Dementia.			Epileptic Insanity.			Involution Melancholia.			Exhaustion Psychosis.			Imbecility.			Syphilitic Insanity.			Toxic Insanity.		
	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General: —																								
General tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
General tuberculosis and pleurisy with effusion,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Gastro-entero colitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Pernicious anæmia and entero colitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis,	-	-	-	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis and general arterio sclerosis,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Chronic interstitial nephritis and chronic interstitial myocarditis,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of breast,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of kidney,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Chronic gastro enteritis and diffuse nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Acute hemorrhagic nephritis, myocarditis and lepto-meningitis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute enteritis and hypostatic pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute gastro enteritis,	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Cirrhosis of liver,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic gastritis with dilatation,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	-	2	2	8	15	23	1	-	1	3	3	6	-	3	3	2	2	4	1	1	2	1	-	1

13. — Duration of Mental Disease and its Treatment in Patients recovered and died.

Period.	First admitted to any hospital.									All other admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females	Totals.
A. — Recovered: —															
Under 1 month,	6	6	12	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	2	13	15	8	4	12	2	–	2	–	1	1	–	1	1
3 to 6 months,	4	4	8	4	11	15	7	9	16	1	1	2	1	1	2
6 to 12 months,	2	1	3	3	10	13	3	8	11	1	2	3	3	1	4
1 to 2 years,	–	–	–	1	4	5	2	6	8	2	1	3	1	1	2
2 to 5 years,	–	–	–	–	1	1	–	1	1	1	–	1	–	1	1
5 to 10 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	14	24	38	16	30	46	14	24	38	5	5	10	5	5	10
Unknown,	2	6	8	–	–	–	2	6	8	–	–	–	–	–	–
Totals,	16	30	46	16	30	46	16	30	46	5	5	10	5	5	10
Average of known cases (in months),	2.07	1.60	1.77	4.28	7.02	6.06	6.43	9.02	8.06	16.00	11.60	13.80	10.00	10.80	10.40

13. — Duration of Mental Disease and its Treatment in Patients recovered and died — Concluded.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —															
Congenital,	2	1	3	–	–	–	–	–	–	–	1	1	–	–	–
Under 1 month,	4	7	11	8	6	14	1	1	2	–	1	1	–	1	1
From 1 to 3 months,	10	4	14	4	5	9	4	3	7	–	–	–	1	1	2
3 to 6 months,	5	2	7	3	1	4	–	1	1	–	–	–	–	1	1
6 to 12 months,	3	1	4	5	2	7	2	1	3	2	2	4	2	1	3
1 to 2 years,	4	3	7	9	7	16	4	4	8	3	–	3	3	1	4
2 to 5 years,	7	7	14	12	4	16	21	9	30	1	3	4	–	2	2
5 to 10 years,	–	3	3	2	3	5	1	6	7	–	2	2	–	2	2
10 to 20 years,	–	–	–	–	4	4	–	1	1	–	–	–	1	–	1
Over 20 years,	–	–	–	–	–	–	2	2	4	1	1	2	–	1	1
Totals,	35	28	63	43	32	75	35	28	63	7	10	17	7	10	17
Unknown,	8	4	12	–	–	–	8	4	12	–	–	–	–	–	–
Totals,	43	32	75	43	32	75	43	32	75	7	10	17	7	10	17
Average of known cases (in months),	33.91	34.90	34.35	16.86	39.72	26.61	50.77	68.25	58.54	51.30	93.80	76.30	41.16	32.60	36.12

LIST OF PERSONS

Employed at the Westborough Insane Hospital, Dec. 1, 1906.

Superintendent and physician,	$3,000 00	per year.
Assistant superintendent and physician,	2,000 00	" "
Assistant physician,	1,000 00	" "
Assistant physician,	800 00	" "
Assistant physicians (three), each,	600 00	" "
Pathologist,	1,200 00	" "
Steward,	1,200 00	" "
Treasurer,	525 00	" "
Clerk,	50 00	per month.
Assistant clerk,	25 00	" "
Secretary to superintendent,	30 00	" "
Record clerk,	40 00	" "
Pharmacist,	22 00	" "
Supervisor (female),	75 00	" "
Supervisor (male),	55 00	" "
Assistant supervisor (female),	35 00	" "
Assistant supervisors (female, three), each,	25 00	" "
Head seamstress,	30 00	" "
Seamstresses (four),	$14 00 to 20 00	" "
Nurses (male, forty-four),	20 00 to 33 00	" "
Nurses (female, seventy-three),	14 00 to 25 00	" "
Night watchman,	32 00	" "
Baker,	80 00	" "
Storekeeper,	45 00	" "
Meat cutter,	45 00	" "
Office girl,	18 00	" "
Hall boy,	14 00	" "
Housekeeper,	30 00	" "
Cook (male),	65 00	" "
Cook, pastry (female),	22 00	" "
Cook, Talbot (female),	32 00	" "

Cook, Stanley (female),	$25 00	per month.
Cook, superintendent (female),	25 00	" "
Cook, Osgood (female),	20 00	" "
Cook, Warren (female),	25 00	" "
Cook, Speare (female),	24 00	" "
Cook, Richmond (female),	30 00	" "
Cook, farm house (female),	22 00	" "
Cook, order (female),	27 00	" "
Head laundress,	50 00	" "
Richmond laundress,	25 00	" "
Laundry helpers (male, two),	$26 00 and 31 00	" "
Laundry helpers (female, six),	16 00 to 22 00	" "
Kitchen helpers (male, three),	16 00 to 25 00	" "
Kitchen helpers (female, three), each,	18 00	" "
Basement boys (three),	$16 00 and 20 00	" "
Scullery man,	20 00	" "
Waitresses (seven), each,	18 00	" "
Chambermaids (three),	$16 00 to 25 00	" "
Head carpenter,	100 00	" "
Carpenters (three) each,	2 75	per day.
Painter,	2 75	" "
Engineer,	1,200 00	per year.
Assistant engineer,	75 00	per month.
Assistant engineers (three), each,	45 00	" "
Engineer's helper,	30 00	" "
Firemen (five), each,	30 00	" "
Farmer,	1,000 00	per year.
Farm foreman,	36 00	per month.
Farm watchman,	27 00	" "
Farm teamsters (six),	$27 00 and 33 00	" "
Farm laborers (nine),	27 00 and 30 00	" "
Gardener,	56 00	" "
Assistant gardeners (two),	$20 00 and 25 00	" "
Mason,	60 00	" "
Coachman,	36 00	" "
Expressman,	23 00	" "
Blacksmith,	2 00	per day.

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the fourteen months ending Nov. 30, 1906.

602 aprons, white.	170 pairs curtains, sash.
90 aprons, waiters.	105 curtains, screen.
58 aprons, colored.	102 curtains, linen room.
90 aprons, ticking.	1 chair cushion cover.
4 aprons, carpenters.	204 chemises.
56 bags, tea and coffee.	6 cotton rings.
198 bags, laundry.	14 dresses, cotton.
25 bags, individual.	42 dresses, strong.
12 pairs bed socks.	6 dress waists altered.
480 bed spreads tagged.	10 dress skirts altered.
36 bibs.	317 pairs drawers.
941 pairs blankets bound and tagged.	48 dusters.
66 bolster cases.	3 hats trimmed.
2 canvas bed sheets with jacket.	36 jumpers tagged.
6 canvas bed sheets.	4 kimonas.
7 canvas bath tub covers.	165 linen table cloths.
2 canvas wagon covers.	1,050 linen napkins.
6 canvas camisoles.	222 linen shams.
6 canvas muffs.	308 linen bureau scarfs.
12 pairs canvas anklets.	108 linen table scarfs.
36 canvas straps.	50 linen table squares.
96 coats, waiters.	67 neckties tagged.
20 coat sleeves shortened.	242 night dresses, bleached.
187 curtains made.	457 night dresses, unbleached.
57 curtains hemmed.	312 napkins, sanitary.
27 pairs curtains, drapery.	144 pairs overalls tagged.

6 oven cloths.	507 shirts, outing.
1,480 pillow slips, bleached.	24 shirts, night, bleached.
912 pillow slips, unbleached.	226 shirts, night, unbleached.
151 rugs bound.	305 skirts, long.
60 rugs repaired.	74 skirts, short.
4 restraint collars.	236 ticks, mattress.
12 restraint lacings.	77 ticks, pillow.
645 pairs socks tagged.	5 ticks, bolster.
10 silence cloths.	1 tick, roller chair.
5 surgeon's gowns.	18 pairs trowsers shortened.
3 surgical sheets.	56 pairs trowsers repaired.
2 pairs surgical stockings.	136 towels, roller, long.
18 surgical bandages.	4,250 towels, roller, short.
1,232 sheets, bleached.	72 towels, glass.
2,006 sheets, unbleached.	1,090 towels, dish.

PRODUCTS OF THE FARM.

Oct. 1, 1905, to Nov. 30, 1906.

Apples, 1,294 bushels,	$647 10
Asparagus, 128 dozen bunches,	106 50
Beans, string, 67 bushels,	49 80
Beans, shell, 39 bushels,	47 24
Beef, 5,822 pounds,	429 12
Beets, 928 bushels,	474 70
Beet greens, 25 bushels,	5 90
Blackberries, 133 boxes,	10 64
Cabbage, 22 tons,	676 23
Carrots, 250 bushels,	105 15
Cauliflower, 50 pounds,	2 00
Celery, 129 dozen,	137 23
Cider, 227 gallons,	22 70
Chard, 479 bushels,	57 47
Chicken, 420 pounds,	72 33
Corn, 1,479 dozen,	192 80
Cucumbers, 30 bushels,	29 46
Currants, 33 boxes,	3 30
Eggs, 1,947 dozen,	487 67
Fowl, 201 pounds,	32 16
Ice, 1,000 tons,	1,000 00
Leek, 219 dozen,	44 59
Lettuce, 322 dozen,	75 42
Milk, 321,985 quarts,	12,879 40
Onions, 371 bushels,	344 51
Amount carried forward,	$17,933 42

Amount brought forward,	$17,933 42
Parsley, 67 bunches,	3 35
Parsnips, 504 bushels,	314 96
Pears, 120 bushels,	68 95
Peas, 57 bushels,	50 78
Pork, 52,477 pounds,	3,490 67
Potatoes, 529 bushels,	317 50
Radishes, 106 dozen,	15 85
Rhubarb, 4,084 pounds,	40 84
Quinces, 1 bushel,	2 00
Spinach, 734 bushels,	125 21
Squash, 15,000 pounds,	240 66
Tomatoes, 277 bushels,	166 68
Turnips, 127 bushels,	61 44
Veal, 847 pounds,	100 30
Vinegar, 50 gallons,	4 50
Wood, 10 cords,	40 00
English hay, 164 tons,	2,952 00
Meadow hay, 8 tons,	64 00
Corn stover, 40 tons,	320 00
Green feed, 127 tons,	508 00
Ensilage, 675 tons,	3,375 00
	$30,196 11

PRODUCTS ON HAND NOV. 30, 1906.

Apples, 760 bushels,	$380 00
Beans, shelled, 20 bushels,	30 00
Beets, 600 bushels,	360 00
Cabbage, 9,000 heads,	360 00
Carrots, 200 bushels,	80 00
Celery, 84 dozen,	105 00
Corn stover, 25 tons,	200 00
English hay, 90 tons,	1,620 00
Amount carried forward,	$3,135 00

Amount brought forward,	$3,135 00
Rowen, 4 tons,	48 00
Meadow hay, 90 tons,	64 00
Ensilage, 575 tons,	2,875 00
Rye straw, 2 tons,	32 00
Lumber, 9,000 feet,	252 00
Leek, 166 dozen,	40 00
Onions, 250 bushels,	250 00
Parsnips, 440 bushels,	264 00
Potatoes, 85 bushels,	51 00
Wood, 75 cords,	300 00
	$7,311 00

SUMMARY OF THE FARM ACCOUNT.

Dr.

Bedding for cattle,	$480 80
Blacksmithing,	32 68
Blacksmith's supplies,	208 33
Blankets,	12 25
Boar,	15 00
Board of farmers,	5,210 23
Cows,	55 00
Farm repairs,	589 41
Fertilizers,	586 36
Goat,	5 00
Harness repairs,	50 96
Hay and grain,	10,619 06
Horses,	425 00
House rent,	168 00
Improving land,	303 09
Labor on ice,	30 30
Machinery and implements,	436 45
Oxen,	362 50
Registering cattle,	12 25
Seeds, etc.,	209 29
Slaughter house fixtures,	20 00
Silo,	326 60
Swill,	639 00
Twine for harvesting,	25 00
Wagons and carts,	245 00
Wagon repairs,	52 49
Wages of farmers,	8,766 74
Wiring barns,	298 00
Veterinary,	11 50
	$30,196 29
Profit of the farm to balance,	1,043 97
	$31,240 26

Cr.

Apples, 1,246 bushels,	$622 92
Asparagus, 193 bunches,	106 50
Beans, string, 67 bushels,	49 80
Beans, shell, 30 bushels,	20 88
Beef, 5,822 pounds,	429 12
Beets, 535 bushels,	321 24
Beet greens, 25 bushels,	5 90
Blackberries, 133 boxes,	10 64
Cabbage, 42,500 pounds,	767 29
Carrots, 161 bushels,	80 33
Cauliflower, 50 pounds,	2 00
Celery, 166 dozen,	54 57
Chard, 479 bushels,	57 47
Chicken, 420 pounds,	72 33
Cider, 227 gallons,	22 70
Corn, 1,607 dozen,	192 80
Cucumbers, 30 bushels,	29 46
Currants, 33 boxes,	3 30
Eggs, 1,947 dozen,	487 67
Fowl, 201 pounds,	32 16
Ice, 768 tons,	1,536 00
Leek, 283 pounds,	5 89
Lettuce, 322 dozen,	75 42
Milk, 321,985 quarts,	12,879 40
Onions, 643 bushels,	502 02
Parsley, 67 bunches,	3 35
Parsnips, 254 bushels,	203 10
Pears, 151 bushels,	85 39
Peas, 57 bushels,	50 78
Peppers, 228 pounds,	6 84
Pork, 52,477 pounds,	3,490 67
Potatoes, 737 bushels,	442 00
Quinces, 1 bushel,	2 00
Radishes, 106 dozen,	15 85
Rhubarb, 4,084 pounds,	40 84
Spinach, 734 bushels,	125 21
Squash, 20 tons,	618 30
Turnips, 499 bushels,	249 54
Amount carried forward,	$23,691 68

Amount brought forward,	$23,691 68
Tomatoes, 345 bushels,	207 12
Veal, 847 pounds,	100 30
Wood, 29¾ cords,	148 75
Labor of men, 1,747 days,	1,310 25
Labor of teams, 1,569 days,	4,314 75
Straw, 3,483 pounds,	30 20
Oats, 872½ bushels,	451 40
Feed, 1,590 pounds,	19 42
Shoeing,	290 79
Grease, 7,245 pounds,	144 90
Tallow, 230 pounds,	9 20
Hay, $10\frac{260}{2000}$ tons,	181 98
Sales: —	
Calves,	219 50
Hides,	57 02
Ice,	50 00
Pinks,	3 00
	$31,240 26

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Public Document No. 30

TWENTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WESTBOROUGH INSANE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1907.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1908.

Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Codman Building.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Laundry.
Richmond Colony.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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AUG 8 1921

STATE HOUSE, BOSTON
Mass. Officials.

Approved by

The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman*,	NORTHBORO.
ELIZA C. DURFEE, *Secretary*,	FALL RIVER.
BENJAMIN W. CHILDS,	WORCESTER.
SARAH B. WILLIAMS,	TAUNTON.
LEWIS R. SPEARE,	BOSTON.
WILLIAM AVERY CARY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, *Superintendent*,	$3,000
HENRY I. KLOPP, *Assistant Superintendent*,	2,000
E. RAY BUHRMAN, M.D., *Assistant Physician*,	1,100
WILLIAM W. COLES, M.D., *Assistant Physician*,	1,000
RUTH BARKER-COLES, M.D., *Assistant Physician*,	700
M. M. JORDAN, M.D., *Assistant Physician*,	700
MARY JOHNSON, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,500
MELVILLE L. STACY, *Steward*,	1,200

TREASURER.

	Per Annum
H. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully submit this, their twenty-third annual report.

For the first time in fourteen years the trustees in their report show a deficit of about $16,000 in the maintenance account. This increased expenditure is found chiefly in four department accounts, namely, "wages," "food," "furnishing," and "heat and light," and is due to two factors, — increased cost of food and fuel, and labor legislation, which immediately became effective, subsequent to the time when the appropriations were made.

This is a financial condition which a late trustee of the Worcester Insane Hospital, the Hon. Rockwood Hoar, at a hearing before the committee at the State House, when the transfer of the control of the finances of State insane hospitals from the trustees to the State was under consideration, prophesied would inevitably happen. It is liable to occur again under the same or similar circumstances, and is unavoidable under the present system. To enact legislation involving a large increased cost in the maintenance account of a public institution, and to make it effective in the middle of a fiscal year, with no provision for its payment until an appropriation shall be made some time in the future, seems to the trustees neither business-like nor just.

Under the former régime the hospital had surplus funds sufficient to meet a deficiency, even as large as the above, or to solve immediately such an emergency problem as arose last year from the burning of one of the large farm buildings. The fur-

ther prophecy of the late Mr. Hoar, that the present system would be neither efficient nor economical, seems to have been justified by the practical experience of the past few years.

The new work, for which appropriations were granted, has been progressing satisfactorily, as will be seen by the report of the superintendent. The equipment of the new Heath farm property and the establishment of a new pumping station for water will overtax a power plant already working about to the limit of its capacity; it is therefore imperative that the boiler house be enlarged, a new coal shed built, and a new engine and two new horizontal tubular boilers, similar to the present type, installed.

The other objects mentioned in the report of the superintendent, for which appropriations are asked, are necessary, and are approved by the Board. The new buildings desired are simple in construction and are to be built of wood. The Board, guided by their experience in the past, have decided to construct these buildings by their own employees' labor, thereby making a material saving to the Commonwealth, and the estimates for the work are made with that end in view. The Board of Trustees therefore respectfully ask for the following appropriations: —

Amount necessary to pay existing deficit, . . .	$15,730 02
For new nurses' cottage and furnishing, ...	8,375 00
For building, and furnishing same, for married employees,	4,400 00
For cottage for farm superintendent, ...	2,500 00
For enlarging boiler house and building new coal shed, .	2,000 00
For installation of engine generator and two boilers, . .	8,500 00
For silo, ensilage cutter and motor, ...	1,000 00

The trend of legislation of the past few years, as evidenced by the enactment of laws limiting the hours of labor, would seem to indicate that the Commonwealth is extremely solicitous lest the great majority of its employees should suffer from overwork. The hours of labor for a legal day's work have been shortened and at the same time the average wage has much increased. This is, perhaps, right and just. It may not be inopportune, however, to call attention to the fact that there is a small minority of the employees of the State, connected with

the State insane hospitals, whose hours of work are limited practically only by the twenty-four hours of the day; whose responsibilities and anxieties are great and omnipresent, and yet their compensation is entirely inadequate to the service rendered. They are, in other words, decidedly underpaid.

The Commonwealth of Massachusetts is second to no State in the Union in its efforts for the cure, care and comfort of its unfortunate insane citizens, and is approximated by only a few States, notably the neighboring State of New York. Yet New York pays the superintendents of her State hospitals, at the beginning of their service, $500 more than the maximum paid in this State, and increases that amount, by a substantial sum annually, for a term of years. The maximum salary paid our superintendents (including the fact that they receive living expenses) is much less than similar specialized ability would be able to earn in the general field of medicine. With the exception of the first assistant physicians, the minor physicians on the medical staff receive less compensation than the male or female supervisors, steward, baker, chef, engineers, plumber, head farmer and mason, notwithstanding the fact that the properly equipped assistant physician should have spent seven years (including college and professional school) in preparing himself for the work, at a not inconsiderable expense.

The position of superintendent demands a combination of first-class executive ability and specialized medical knowledge, — a combination which is exceptional and difficult to find, and which can only be developed by years of progressive training in an institution. It is important, therefore, that the subordinate positions on the medical staff be filled by physicians with ability sufficient to make it possible for them to be developed into capable assistant superintendents and superintendents.

Under the present conditions it is very difficult to obtain suitable men and women to fill these subordinate positions, — neither the present pay nor the future promise is sufficient to attract them to make work of this kind a life work. For the most part these positions are used only as a "make-shift" to tide the newly fledged doctor over an impecunious period or enable him to pay up past indebtedness. Occasionally an exception is found to this rule in the person of a young man

or woman, imbued with the true professional spirit, who becomes thoroughly interested in the work, and is filled with sympathy for this unfortunate class of fellow men and women. For these reasons he is willing to sacrifice his material monetary welfare and devote his life to this work. We believe the Commonwealth should neither demand nor accept this sacrifice. The physician, as well as the laborer, is "worthy of his hire."

The Board unanimously endorses the suggestion of the superintendent that the present name be changed to that of Westborough State Hospital.

There have been no changes in the personnel of this Board during the year. There have also been no changes in the personnel of the medical staff; and the trustees herewith testify to their fidelity, and their appreciation of the same.

Respectfully submitted,

JOHN L. COFFIN, *Chairman.*
ELIZA C. DURFEE, *Secretary.*
BENJAMIN W. CHILDS.
SARAH B. WILLIAMS.
LEWIS R. SPEARE.
WILLIAM AVERY CARY.
GEORGE B. DEWSON.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Nov. 30, 1907.

The following table shows the movement of population the past year: —

	Males.	Females.	Totals.
Patients in the hospital Nov. 30, 1906,	391	553	944
Admissions within the year,	245	353	598
Whole number of cases within the year,	636	906	1,542
Dismissed within the year,	282	365	647
Viz.: to friends,	98	141	239
on visit,	67	99	166
died,	52	65	117
transferred,	56	58	114
escaped,	9	2	11
Patients remaining Nov. 30, 1907,	354	541	895
Daily average of patients,	363.63	543.32	906.95

Of those admitted, 376 were commitments of the insane, 13 of inebriates, 25 were transfers of the State Board of Insanity, 36 were voluntary, 146 returned from visit and 2 from escape. Of those dismissed, 239 went to their homes and friends, 114 were removed by the State Board of Insanity and 11 escaped. There were 117 deaths and 166 are absent on visit.

There were 11 successful escapes, and it is noteworthy that of this number 4 were cases of alcoholic insanity and 2 were inebriates, although these two classes are but 11 per cent. of those admitted to the hospital during the year.

The sanatorium for women south of the Richmond building

is completed and occupied, and we can now successfully segregate tuberculous insane women and properly treat them.

There have been delays in laying the 12-inch water main to communicate with the metropolitan aqueduct and complete the installment of our new water supply. The firm of Dorey Brothers, after laying about 1,000 feet of pipe and stopping work during the winter, beginning again in April, abandoned the work and went into insolvency. The laying of the rest of the pipe was again advertised, and work given to the lowest bidder, Messrs. Caughey & Schofield, who, after working a couple of weeks, sublet the contract to the Andrew D. Fuller Company of Boston, who made good progress with the work. On account of the inclement weather setting in, it has been decided to suspend the work for the winter.

Of the appropriation for connecting with the Westborough water supply and laying larger pipe for fire protection, the 6-inch pipe connection with the town supply, 2,800 feet in length, has been completed and the town supply is used for drinking.

Eight hundred feet of 8-inch pipe has been laid and one hydrant put in, but, owing to the fact that the 8-inch pipe ordered came in November, it has been impossible to do more this fall.

The contract for the service building was given to the lowest bidder, Mr. T. P. Hurley of Marlborough, who has, at this date, erected and slated the building.

F. H. & C. W. Boyer have the contract for installing the cold-storage apparatus and are at work upon it, and the Bailey Oven Company have put in two of their ovens. It is hoped that the building will be ready for occupancy in the early spring.

An appropriation by the Legislature was asked to rebuild the barn destroyed by fire in August, 1906. In May, 1907, I learned that Mr. Guilford P. Heath, owning a farm of 160 acres adjoining hospital property on the north, with a barn accommodating 40 cows, and a good farmhouse with twelve rooms, would sell reasonably to the hospital, and advised that the appropriation asked for the new barn should be changed so as to apply to the purchase of this farm and for improvements

thereof. With the approval of your Board, the State Board of Insanity and the ways and means committee of the House and Senate, the bill was amended and passed, and the farm purchased. When Mr. Heath turned over the farm to the hospital in July, a man with his wife and 8 patients were installed to take up the work of milking 25 cows and doing other necessary farm work.

We have carried an 8-inch water main to the house and barn and placed three hydrants for fire protection; and also carried the sewage by gravity to a reservoir, from there pumping it into our present system. It is our intention to develop this farm for supplying milk to the hospital.

The appropriation for maintenance was estimated a year ago upon the then existing conditions. It seemed sufficient for the purpose, but the eight-hour law necessitated additional employees and furnishings for them, and it was necessary to convert a ward for 20 patients into rooms for employees. This also caused an increase in our maintenance expense. Later, the assistant engineers and firemen, already working eight hours a day for six days in the week, became organized into unions and demanded an increase of wage, which we were obliged to give. All this increase of expense has in no way been of any direct or indirect benefit to the inmates for whom the hospital was established and is maintained. The protracted cold of last winter and spring increased the consumption of coal much above expectation, and the price of food materials was higher. All the above causes have produced a deficiency of nearly $16,000, for which, to secure reimbursement, it will be necessary to ask an appropriation.

The cottages for women nurses are full and some of the nurses are sleeping elsewhere. To provide for the probable increase by growth, and also care for the nurses sleeping in the former quarters, I recommend the erection of another building for women nurses similar to those already built.

I have occasionally found a man and wife, both of whom were steady and reliable, who have left us because of having obtained a situation where they could room together, and I recommend the erection of a small building for at least four

couple, to see if we cannot provide for, and retain, desirable persons who are married.

More provision is needed for the farmers' and engineers' assistants, — returning to hospital use the ward now occupied by employees, — and I recommend the erection of a small cottage for the head farmer, using his present quarters for other employees, which will provide for ten or twelve people.

For several years, in cold weather, the exhaust steam from our engines has heated our main buildings, and the condensation filtered and used as feed water. The State boiler inspector, in June last, forbade such use of engine returns. The order was at once obeyed, and steps taken, at an expense of over $300 to use these returns for heating feed water, and the main building is now being heated by live steam. The new service building requires some steam power for refrigerating purposes. For these reasons there must be additional boiler service. The day load is growing beyond the capacity of the smaller engine and generator, — therefore, I recommend that an appropriation be asked to install two more horizontal tubular boilers, with the necessary changes in the boiler room and coal shed, and to purchase and install a direct connected engine with generator.

There is a silo at the Heath farm barn and there should be one at the Warren farm barn, to cheaply care for our young stock during the winter. I recommend that an appropriation be asked to build a silo for 100 tons, and to purchase a cutter, motor, transformers, etc., which could be used at both our colony farms.

I ask you to consider changing the name of this institution from the Westborough Insane Hospital to the Westborough State Hospital.

The hospital has received from Mrs. Elizabeth Osgood $100 for the entertainment of patients, and from Mrs. Lewis Day $10 as an Easter gift to the patients.

The Rev. George B. Clarke sent the hospital a box containing books, and the Hospital Newspaper Society has sent books and magazines.

There have been no changes in the medical staff during the year.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

Nov. 30, 1907.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

To the Trustees of the Westborough Insane Hospital.

The usual meetings of the Consulting Board have been held this year, as in former years, and individual members have visited the hospital during the months assigned them, and members have given their professional service to the hospital as needed and requested.

It is with sincere pleasure that we commend highly the pathological work as carried on by Dr. Fuller. His investigations are benefiting the hospital and they are also obtaining a wide audience throughout the country.

The room for operating, and the equipment in connection therewith, has been found very satisfactory by Dr. Smith, and he has operated several times during the year at the hospital, as is shown herewith. He speaks in praise, also, of the nurses, and their faithful and intelligent care of the patients during and after operations. We feel that training nurses in more than one branch of their work is an advantage, and that the training school of the hospital is meeting the need of a broad training for its nurses as completely as possible.

During former years a few cases have had operations upon the sexual apparatus because of mental symptoms. In some cases no disease was recognizable before the operation. The removal of organs was justified, and has proved a cure or a great benefit in those cases, and as time passes we feel that our judgment has been fully vindicated.

The hospital has taken a forward step in the care given to the teeth of the patients. It has been claimed in former years that the State could not afford dental work for those patients who were not self-supporting. Much distress has been occa-

sioned in many of these because of defective teeth or a lack of teeth, and innutrition and weakness have resulted. A dentist now visits the hospital every week, and has accomplished much for the welfare of those patients needing his services.

The use of the prolonged bath has proved very helpful during this year and has been investigated by the members of the Board with satisfaction. We believe it is calming and gives sleep to acute cases; that the symptoms are not so extreme as without it; that strong medicines may be avoided; and that recovery may take place sooner and more satisfactorily than without these baths.

Professional work for patients in the hospital has been done by members of the Consulting Board as follows: —

12 cases examined for defective vision by Dr. George A. Suffa.
3 cases of aural disease by Dr. Howard P. Bellows.
3 operations, two tonsillar and one middle turbinated body, by Dr. George P. Rice.

And the following by Dr. Winfield Smith: —

4 cases of trachelorrhaphy and perineorrhaphy.
2 cases of oöphorosalpingectomy.
1 case of hystero-oöphorectomy.
1 case of recto-vaginal fistulæ and perineorrhaphy.
1 case of malignant growth (wart).
1 case of urethral carbuncle.
1 case of amputation of toes.

EDWARD P. COLBY, *Chairman.*
JOHN P. SUTHERLAND.
HOWARD P. BELLOWS.
GEORGE B. RICE.
JOHN P. RAND.
CHARLES L. NICHOLS.
GEORGE A. SUFFA.
FREDERICK B. PERCY.
WINFIELD SMITH.
N. EMMONS PAINE, *Secretary.*

Nov. 23, 1907.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, *Superintendent Westborough Insane Hospital.*

A report of the work done in the pathological laboratory from Dec. 1, 1906, to Nov. 30, 1907, is herewith presented.

Based upon work done in this laboratory, there was published during the year, in "American Journal of Insanity," Vol. LXIII., No. 4, a study of the neurofibrils of ganglion cells in several types of insanity. Three additional papers have been prepared for scientific societies, two of which are now in the hands of the printer. The autopsies have provided further material which, in consideration of the clinical courses that preceded, is being carefully studied from an anatomical standpoint, with a view to publication. As instances, the two following cases may be cited: —

(1) Egg-shaped tumor (3.75 cm. greatest diameter) growing from the flocculus of the cerebellum and exerting pressure upon the culmen, middle cerebellar peduncle and a portion of the pons on the right side. Aside from occasional complaints of dizziness, unsteadiness of gait with a tendency to stumble and at times fall when walking, but showing no special predeliction to sway or fall to any particular side, the case presented clinically a train of symptoms more or less identical with those met with in general paresis. Nevertheless, our examination of the cerebral and cerebellar cortex and of the cord, in so far as it has gone, does not reveal the slightest histological evidence of dementia paralytica.

(2) Aphasia following cerebral hemorrhage. The insult had occurred a month prior to admission to the hospital, where the patient died three days less than a month after his reception. Clinically the case was considered as one of Wernicke's sensory aphasia. In view of the recent contentions of Marie concern-

ing motor aphasia, and the role of the insula and lenticular nucleus in articulate speech, the anatomical findings in this case are of interest. Together with destruction of the white substance and an area of the cortex of T_1, the white substance of the supramarginal and angular gyri and some softening of the white matter of the occipital lobe, there was involvement of the post. gyri of the insula, the corresponding portions of the claustrum and external capsule and the inferior portion of the post. third of the lenticular nucleus. Clinically there was no anarthria, but rather a logorrhœa and some jargonaphasia. On rare occasions the content of spontaneous speech was coherent and relevant, but was not stereotyped in character. Spoken language was for the most part certainly not understood by the patient, — this, however, could not always be definitely determined, — but certain simple gestures seemed readily comprehended.

The brain in this case will be studied by means of serial section through the entire basal ganglia and the parts involved.

Thirty-six autopsies were performed during the period which this report covers, — 30 8/10 per cent. of the death rate, — and 1,630 clinical specimens were submitted to the laboratory for examination. Together these form a total of 1,666 separate examinations.

The interest of those who have taken part in the work of the laboratory has been keen, and the co-operation of the entire staff continues.

With a high sense of appreciation for your continued support and encouragement, this report is

Respectfully submitted,

SOLOMON C. FULLER, M.D.,
Pathologist.

Nov. 30, 1907.

REPORT OF THE TREASURER

For the Year ending Nov. 30, 1907.

Assets.

247 acres cultivated land, 178 acres pasturing, 143 acres woodland, 36 acres meadow, 17 acres sprout land, 10 acres unclaimed land, 9 acres grove land, 68 acres lawns, roads, walks, yards, etc., main hospital buildings Talbot, Richmond, Codman, Speare and Dewson cottages, pathological building, water plant, sewage plant, heating plant, farmhouse, Stanley house, Houghton house, Warren house, Osgood cottage, Forbes cottage, Clark cottage, Knight cottage, steward's cottage, small cottage, Heath house, superintendent's house, male employees' house, nurses' homes, Richmond laundry, building for tuberculous patients, main barn, Stanley barn, Warren barn, Heath barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boathouse, Stanley henhouse, coach house, flour and store room, store barn, carpenter shop and vegetable cellar, greenhouse, waiting station, pumping station, ... $732,625 00

Personal Estate.

Stock and supplies, as per inventory, .		$155,101 53	
Cash on hand, ...		–	
			$155,101 53

Receipts.

Received for support of patients: —			
From cities and towns, . . .		$1,610 14	
From individuals, ...		53,087 91	
From reimbursements: —			
At institution, . .	$9,063 83		
By Board of Insanity, .	1,210 67		
By Attorney-General, .	900 00		
		11,174 50	
Received for rent, ...		155 50	
Received for interest on bank balance, .		261 05	
Received for use of telephone, . .		38 61	
Amount carried forward, . . .		$66,327 71	

Amount brought forward, . . .		$66,327 71	
Received for board of workmen, . .		91 75	
Received for fines, etc., ...		11 79	
Received for rebate on pay-roll, . .		5 51	
Received for rebate on merchandise, .		44 95	
			$66,481 71
Received from sales of: —			
Grease, ...		$340 40	
Lunches, ...		6 58	
Clothing and clothing material, .		406 51	
Machinery, etc., ...		433 90	
Farm sales, ...		207 81	
Junk, ...		174 98	
Books, buttons and thermometers, .		203 40	
			1,773 58
Received from the Commonwealth on account of current expenses, . . .		$225,580 48	
Less amount returned, ...		450 00	
			225,130 48
Received from the Commonwealth on account of special appropriations, ...			41,377 10
Total receipts, ...			$334,762 87

EXPENSES.

1. Salaries and wages, ...		$88,193 59	
2. Food, ...		55,144 98	
3. Clothing and material, . . .		5,628 99	
4. Furnishings, ...		12,031 43	
5. Heat, light and power, . . .		18,438 09	
6. Repairs and improvements, . .		8,676 09	
7. Farm, stable and grounds, . . .		13,926 08	
8. Miscellaneous: —			
Auditing, . . .	$16 75		
Books, periodicals, etc., .	199 50		
Board of out patients, .	224 24		
Chapel services and entertainments, . . .	577 00		
Freight, expressage and transportation, . .	6,643 72		
Funeral expenses, . .	153 00		
Hose, etc., . . .	76 38		
Ice, ...	30 38		
Amounts carried forward, .	$7,920 97	$202,039 25	

Amounts brought forward, .	$7,920 97	$202,039 25	
8. Miscellaneous — *Concluded.*			
Medicine and hospital supplies, ...	931 94		
Medical attendance, .	385 00		
Postage, . . .	454 22		
Printing and printing supplies, ...	553 20		
Return of runaways, .	69 23		
Soap and laundry supplies,	1,990 64		
Stationery and office supplies, . . .	361 37		
School books, etc., . .	532 26		
Travel and expenses (official), ...	888 54		
Telephone and telegraph,	514 57		
Tobacco, . . .	745 81		
Water, ...	75 42		
Sundries, . . .	1,833 32		
		17,256 49	
Total current expenses, . .			$219,295 7
For salaries and wages due Nov. 30, 1906,		$6,695 29	
For miscellaneous bills due Nov. 30, 1906,		14,902 35	
			21,597 6
			$240,893 3
Less schedule of salaries and wages and miscellaneous bills for November, 1907, approved but unpaid, and included in the foregoing itemized statement of current expenses, ...		. . .	15,977 1
			$224,916 2
For rebate on account of prepaid board, .		. . .	214 2
For payments to the Treasurer of the Commonwealth, account income: —			
By the institution, ...		$66,144 62	
By Board of Insanity, . . .		1,210 67	
By Attorney-General, . . .		900 00	
			68,255
For account of special appropriations, .		. . .	41,377
For balance, cash on hand Nov. 30, 1907,		. . .	–
			$334,762

LIABILITIES.

Salaries and wages due Nov. 30, 1907,	$7,702 27	
Miscellaneous bills due Nov. 30, 1907,	8,274 91	
		$15,977 18

BILLS RECEIVABLE.

Due hospital for board of patients Dec. 1, 1907: —		
From cities and towns,	$287 86	
From individuals,	2,939 30	
		$3,227 16
Balance appropriation for current expenses,		$267 16

SUMMARY.

Total receipts,	$334,762 87
Total payments,	334,762 87
	–
Cash on hand,	–
Bills receivable,	$3,227 16
Total available assets,	$3,227 16
Total indebtedness,	15,977 18

Total current expenses, $219,295.74.

Average number of patients, 906.95.

Average weekly cost, $4.64 $\frac{99}{100}$.

Average weekly cost, excluding extraordinary repairs and improvements of $3,000, $4.58 $\frac{8}{8}$.

H. L. DAVENPORT,
Treasurer.

Examined and approved.

B. W. CHILDS,
WM. AVERY CARY,
Auditing Committee.

REPORT OF THE AUDITOR.

WESTBOROUGH, MASS., Dec. 12, 1907.

To BENJAMIN W. CHILDS and WILLIAM A. CARY, *Auditing Committee of the Westborough Insane Hospital.*

DEAR SIRS: — I have examined the accounts of the treasurer of the Westborough Insane Hospital for the year beginning Dec. 1, 1906, and ending Nov. 30, 1907, and report as follows: —

I have verified the cash balances reported as on hand Dec. 1, 1907, at the hospital and in the Framingham National Bank, and find the amounts, as stated, to be correct, after allowing for outstanding checks. I have seen, approved and receipted vouchers for all disbursements, both of patients and hospital funds, except vouchers forwarded to and audited by the Auditor of the Commonwealth. I have compared and verified all receipts of cash on the ledger accounts with patients, and find that the same have been duly entered in the cash book. I have found all footings to be correct in the cash book, and also certify that in my investigations I have found everything correct.

I find that the report of the treasurer is an accurate transcript of the books.

EZRA H. BIGELOW,
Auditor.

SPECIAL APPROPRIATIONS.

On the first day of December, 1907, there remained unexpended the following balances of the several special appropriations: —

The Legislature of 1906 made the following special appropriations: —

	Balance Dec. 1, 1906.	Expended.	Balance Dec. 1, 1907.
For constructing and furnishing buildings for tuberculous patients, ...	$2,213 91	$2,213 91	–
For obtaining and installing a new water supply, . .	19,837 02	9,153 43	$10,683 59
	$22,050 93	$11,367 34	$10,683 59

The Legislature of 1907 made the following special appropriations: —

	Appropriation.	Expended.	Balance Dec. 1, 1907.
Extension of water system to connect with the town of Westborough water supply, and for the improvement of the hospital fire service, ...	$5,400 00	$3,976 96	$1,423 04
Constructing and equipping new buildings for bakery, storage of supplies and refrigerating plant, ...	30,000 00	15,011 58	14,988 42
Purchase of land, buildings and chattels thereon and improvements thereof, ...	13,000 00	12,620 48	379 52
Purchase of stock to replace that lost by the burning of the barn during the year 1906, . .	1,500 00	1,350 00	150 00
	$49,900 00	$32,959 02	$16,940 98

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Dipsomaniacs or Inebriates.			Voluntary, not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1906,	389	515	904	–	9	9	6	8	14	395	532	927
Admitted within the year,	240	321	561	–	21	21	8	15	23	248	357	605
Viz.: by commitment,	182	222	404	–	11	11	5	10	15	187	243	430
court,	175	209	384	–	11	11	–	–	–	175	220	395
voluntary,[1]	7	13	20	–	–	–	5	10	15	12	23	35
by transfer,	4	26	30	–	–	–	–	–	–	4	26	30
from escape,	2	–	2	–	–	–	–	–	–	2	–	2
from visit,	6	12	18	–	–	–	–	–	–	6	12	18
nominally admitted for discharge,	46	61	107	–	10	10	3	5	8	49	76	125
Whole number of cases within the year,	629	836	1,465	–	30	30	14	23	37	643	889	1,532
Dismissed within the year,	280	316	596	–	29	29	9	14	23	289	359	648
Viz.: discharged,	104	123	227	–	16	16	5	6	11	109	145	254
as recovered at time of leaving the hospital,	44	46	90	–	–	–	–	–	–	44	46	90
as capable of self-support,	14	23	37	–	–	–	–	–	–	14	23	37
as improved,	19	35	54	–	–	–	–	–	–	19	35	54
as not improved,	27	19	46	–	–	–	–	–	–	27	19	46
as not insane,	–	–	–	–	16	16	5	6	11	5	22	27
died,	53	60	113	–	–	–	–	–	–	53	60	113
transferred,	55	57	112	–	–	–	–	1	1	55	58	113
escaped,	9	1	10	–	2	2	–	–	–	9	3	12
on visit October 1,	59	75	134	–	11	11	4	7	11	63	93	156
Patients remaining Sept. 30, 1907,	349	520	869	–	1	1	5	9	14	354	530	884
Viz.: supported as State patients,	266	370	636	–	1	1	2	2	4	268	373	641
as town patients,	–	–	–	–	–	–	–	–	–	–	–	–
as private patients,	59	96	155	–	–	–	3	7	10	62	103	165
as reimbursing patients,	24	54	78	–	–	–	–	–	–	24	54	78
Number of different persons within the year,	581	771	1,352	–	20	20	11	17	28	592	808	1,400
Number of different persons admitted,	193	257	450	–	11	11	5	10	15	198	278	476
Number of different persons admitted by commitment,	181	220	401	–	11	11	5	10	15	186	241	427
Number of different persons dismissed,	233	253	486	–	19	19	6	9	15	239	281	520
Persons recovered,	44	46	90	–	–	–	–	–	–	44	46	90
Number of different persons discharged, capable of self-support,	13	23	36	–	–	–	–	–	–	13	23	36
Daily average of patients,	363.39	519.04	882.43	–	9.03	9.03	7.11	16.81	23.92	370.50	544.88	915.38
Viz.: State patients,	283.06	381.49	664.55	–	6.70	6.70	2.08	3.33	5.41	285.14	391.52	676.66
town patients,	–	–	–	–	1.47	1.47	–	–	–	–	1.47	1.47
private patients,	60.69	98.02	158.71	–	.86	.86	5.03	13.48	18.51	65.72	112.36	178.08
reimbursing patients,	19.64	39.53	59.17	–	–	–	–	–	–	19.64	39.53	59.17

[1] Voluntary at first, afterwards committed; male. 1; female, 1; total, 2.

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	Cases committed.		
	Males.	Females.	Totals.
First to this hospital,	160	187	347
Second to this hospital,	20	27	47
Third to this hospital,	–	6	6
Fourth to this hospital,	2	2	4
Fifth to this hospital,	–	–	–
Total cases,	182	222	404
Total persons,	181	220	401
Never before in any hospital for the insane,	143	162	305

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	Males.			Females.			Totals.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	67	43	48	64	28	31	131	71	79
Other New England States,	18	18	15	27	24	23	45	42	38
Other States,	11	6	6	9	4	7	20	10	13
Total native,	96	67	69	100	56	61	196	123	130
Austria,	1	1	1	–	–	–	1	1	1
British Provinces,	11	9	11	17	16	14	28	25	25
China,	1	1	1	–	–	–	1	1	1
England,	1	3	1	3	7	7	4	10	8
Finland,	1	1	1	–	–	–	1	1	1
France,	–	1	1	–	1	–	–	2	1
Germany,	2	3	3	4	6	7	6	9	10
Ireland,	20	39	40	29	56	55	49	95	95
Italy,	4	3	3	1	–	–	5	3	3
Poland,	–	1	1	–	–	–	–	1	1
Roumania,	–	–	–	1	1	1	1	1	1
Russia,	2	2	2	4	7	4	6	9	6
Sicily,	–	1	1	–	–	–	–	1	1
Scotland,	4	8	4	2	3	2	6	11	6
Sweden,	–	–	–	1	1	1	1	1	1
Wales,	–	1	1	–	1	–	–	2	1
Total foreign,	47	74	71	62	99	91	109	173	162
Unknown,	–	2	3	–	7	10	–	9	13
Totals,	143	143	143	162	162	162	305	305	305

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	1	–	1	–	–	–
Berkshire County,	1	–	1	1	–	1
Bristol County,	1	2	3	2	–	2
Essex County,	2	8	10	6	–	6
Franklin County,	–	–	–	–	2	2
Hampden County,	1	1	2	–	–	–
Middlesex County,	40	54	94	10	21	31
Norfolk County,	14	12	26	4	8	12
Plymouth County,	3	8	11	1	–	1
Suffolk County,	54	56	110	10	21	31
Worcester County,	24	20	44	3	4	7
From Arkansas,	–	–	–	1	–	1
From Connecticut,	–	–	–	–	1	1
From Kansas,	1	–	1	–	–	–
From New Hampshire,	–	–	–	–	1	1
From Rhode Island,	–	1	1	–	–	–
From Texas,	1	–	1	–	–	–
Totals,	143	162	305	38	58	96
Cities and towns,	107	115	222	27	41	68
Country districts,	36	47	83	11	17	28

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	66	66	132
Married,	58	63	121
Widowed,	18	27	45
Divorced,	1	6	7
Unknown,	–	–	–
Totals,	143	162	305

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Appraiser,	1	Laundryman,	1
Bakers,	2	Lawyer,	1
Bartenders,	3	Leather worker,	1
Blacksmith,	1	Machinists,	3
Bookbinder,	1	Mechanics,	2
Bookkeepers,	3	Millwright,	1
Box maker,	1	Moulders,	2
Bricklayers,	2	None,	12
Business manager,	1	Operatives,	4
Butcher,	1	Painters,	2
Carpenters,	10	Physicians,	2
Carpet layer,	1	Policeman,	1
Cigar maker,	1	Portrait painter,	1
Clerks,	8	Postmaster,	1
Conductors,	2	Printers,	3
Contractor,	1	Rubber worker,	1
Cooper,	1	Salesmen,	2
Dentists,	2	Sailor,	1
Druggists,	2	Sea captain,	1
Electrician,	1	Shoemakers,	10
Engineers,	4	Soap maker,	1
Expressman,	1	Steam fitter,	1
Farmers,	4	Stone cutter,	1
Fisherman,	1	Students,	5
Glass blower,	1	Tanner,	1
Granite polisher,	1	Teamsters,	3
Grocer,	1	Telegrapher,	1
Harnessmaker,	1	Tinsmith,	1
Hostler,	1	Waiter,	1
Insurance agent,	1	Weaver,	1
Janitor,	1		
Laborers,	13	Total,	143

6. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Artist,	1	Musician,	1
Boarding-house keeper,	1	None,	15
Clerks,	2	Operatives,	11
Cooks,	5	Seamstresses,	2
Domestics,	22	Stenographers,	2
Dressmaker,	1	Students,	3
Housekeepers,	6	Teachers,	8
Housewives,	12	Waitress,	1
Laundress,	1		
Milliners,	2	Total,	96

WIFE OR DAUGHTER OF —

Barber,	1	Masons,	2
Bartender,	1	Paper hanger,	1
Brass worker,	1	Plumber,	1
Bridge builder,	1	Poultry dealer,	1
Cabinet makers,	2	Printer,	1
Canvasser,	1	Salesmen,	2
Carpenters,	5	Shoemakers,	3
Caterer,	1	Steam fitter,	1
Clergyman,	1	Stenographer,	1
Clerks,	4	Switchman,	1
Engineer,	1	Teamster,	1
Farmers,	5	Victualer,	1
Fish dealer,	1	Watchmakers,	2
Furniture polisher,	1	Weaver,	1
Gardener,	1		
Grocer,	1	Total,	61
Jewelers,	2	Unknown,	5
Laborers,	8		
Lighthouse keeper,	1	Total,	66
Machinists,	2		
Marble cutter,	1	Whole total,	162

7. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	First admitted to Any Hospital.						Died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	5	4	9	–	–	–	–	1	1	–	–	–
15 years and less,	2	–	2	2	–	2	–	–	–	–	–	–
From 15 to 20 years,	4	7	11	5	4	9	–	1	1	–	–	–
20 to 25 years,	11	7	18	15	9	24	1	1	2	1	1	2
25 to 30 years,	14	14	28	20	18	38	1	3	4	1	1	2
30 to 35 years,	9	23	32	15	23	38	1	6	7	–	6	6
35 to 40 years,	7	20	27	11	20	31	3	4	7	2	3	5
40 to 50 years,	27	20	47	28	29	57	9	11	20	9	13	22
50 to 60 years,	12	20	32	15	23	38	8	5	13	10	13	23
60 to 70 years,	9	14	23	15	16	31	13	7	20	14	10	24
70 to 80 years,	8	12	20	9	14	23	7	7	14	9	7	16
Over 80 years,	7	1	8	8	6	14	5	2	7	7	6	13
Totals,	115	142	257	143	162	305	48	48	96	53	60	113
Unknown,	28	20	48	–	–	–	5	12	17	–	–	–
Totals,	143	162	305	143	162	305	53	60	113	53	60	113
Mean known ages (in years),	42.01	42.33	42.18	43.46	44.99	44.28	58.54	49.73	54.15	60.91	55.60	58.09

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

Exciting Causes.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	27	12	39	3	4	7	1	1	2	27	12	39
Apoplexy,	3	2	5	–	–	–	–	–	–	–	–	–
Arterio sclerosis,	15	7	22	–	–	–	3	–	3	2	–	2
Congenital,	5	4	9	1	–	1	–	–	–	–	–	–
Deprivation,	1	1	2	–	–	–	–	–	–	–	–	–
Dissipation,	4	–	4	–	–	–	1	–	1	–	–	–
Drug habit,	1	1	2	–	–	–	1	–	1	–	–	–
Epilepsy,	5	–	5	–	–	–	–	–	–	2	–	2
Ill health,	5	21	26	–	4	4	3	5	8	–	–	–
Menopause,	–	3	3	–	–	–	–	–	–	–	–	–
Overwork,	1	4	5	–	1	1	1	2	3	–	–	–
Physical disease,	1	1	2	–	–	–	1	1	2	–	–	–
Pregnancy, puerperium and lactation,	–	8	8	–	1	1	–	–	–	–	–	–
Senility,	14	23	37	2	1	3	–	1	1	–	–	–
Specific,	11	5	16	1	–	1	–	–	–	1	–	1
Traumatism,	6	2	8	–	–	–	–	–	–	1	–	1
Traumatism and worry,	–	1	1	–	–	–	–	–	–	–	–	–
Totals,	99	95	194	7	11	18	11	10	21	33	12	45

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital — Concluded.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Mental: —												
Disappointment,	–	2	2	–	1	1	–	–	–	–	–	–
Domestic trouble,	–	2	2	–	–	–	–	–	–	–	–	–
Grief,	4	8	12	1	2	3	1	–	1	–	–	–
Heredity,	6	2	8	6	2	8	–	–	–	–	–	–
Jealousy,	–	1	1	–	–	–	–	1	1	–	–	–
Overstudy,	–	1	1	–	–	–	–	–	–	–	–	–
Worry,	6	15	21	1	6	7	2	3	5	1	–	1
Worry and ill health,	1	5	6	–	–	–	–	1	1	–	–	–
Worry and overwork,	2	5	7	–	1	1	–	1	1	–	–	–
Totals,	19	41	60	8	12	20	3	6	9	1	–	1
Unknown,	25	26	51	–	–	–	6	6	12	–	–	–
Totals,	143	162	305	15	23	38	20	22	42	34	12	46

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	First admitted to Any Hospital.		
	Males.	Females.	Totals.
Congenital,	5	4	9
Under 1 month,	26	34	60
From 1 to 3 months,	25	28	53
3 to 6 months,	9	14	23
6 to 12 months,	11	9	20
1 to 2 years,	9	11	20
2 to 5 years,	23	30	53
5 to 10 years,	4	7	11
10 to 20 years,	2	4	6
Over 20 years,	1	1	2
Totals,	115	142	257
Unknown,	28	20	48
Totals,	143	162	305
Average known duration (in years),	2.45	2.33	2.39

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity, acute,	24	9	33	19	2	21	1	1	2	1	–	1	–	–	–	–	1	1	21	4	25
Alcoholic insanity, chronic,	6	4	10	–	–	–	4	2	6	–	–	–	1	–	1	2	–	2	7	2	9
Dementia, organic,	8	2	10	–	–	–	–	–	–	2	–	2	1	–	1	7	5	12	10	5	15
Dementia, præcox,	27	37	64	7	10	17	1	4	5	1	13	14	6	4	10	1	8	9	16	39	55
Dementia, pre-senile,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	1	–	2	2
Dementia, senile,	26	28	54	–	–	–	–	–	–	5	1	6	3	5	8	20	18	38	28	24	52
Dementia, terminal,	2	3	5	–	–	–	–	–	–	–	–	–	1	–	1	–	1	1	1	1	2
Epileptic insanity,	5	1	6	–	–	–	–	–	–	–	–	–	2	–	2	–	–	–	2	–	2
Exhaustion psychosis,	–	6	6	–	3	3	–	–	–	–	–	–	–	–	–	1	–	1	1	3	4
General paresis,	14	8	22	–	–	–	–	1	1	2	–	2	3	1	4	7	6	13	12	8	20
Hysterical insanity,	2	2	4	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Imbecility,	5	4	9	–	–	–	1	–	1	1	1	2	1	–	1	–	1	1	3	2	5
Infection psychosis,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Involution melancholia,	7	17	24	–	5	5	1	–	1	–	2	2	1	3	4	2	3	5	4	13	17
Manic depressive,	9	17	26	4	11	15	1	1	2	1	2	3	1	–	1	1	–	1	8	14	22
Myxœdematous insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Paranoia,	–	16	16	–	–	–	–	4	4	2	2	4	1	2	3	1	4	5	4	12	16
Syphilitic insanity,	2	2	4	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1	2	–	2
Toxic insanity, acute,	1	–	1	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	2	2
Traumatic insanity,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Undiagnosed,	5	4	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total A,	143	162	305	32	33	65	9	14	23	15	22	37	22	15	37	43	48	91	121	132	253

B. — Other admissions: —																						
Alcoholic insanity, acute,	3	2	5	2	–	2	–	–	–	–	–	–	–	–	–	1	–	1	3	–	3
Alcoholic insanity, chronic,	3	1	4	–	–	–	1	–	1	1	–	1	–	–	–	1	–	1	3	–	3
Dementia, organic,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dementia, præcox,	6	10	16	3	3	6	1	3	4	–	2	2	2	2	4	–	3	3	6	13	19
Dementia, senile,	8	2	10	–	–	–	–	–	–	1	2	3	1	–	1	3	–	3	5	2	7
Dementia, terminal,	–	2	2	–	–	–	–	–	–	–	3	3	–	–	–	1	2	3	1	5	6
Epileptic insanity,	–	–	–	–	–	–	–	1	1	–	1	1	–	–	–	–	–	–	–	2	2
Exhaustion psychosis,	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1
General paresis,	2	2	4	–	–	–	–	–	–	–	–	–	–	–	–	4	3	7	4	3	7
Hysterical insanity,	–	3	3	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2
Imbecility,	2	2	4	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	1	–	1
Infection psychosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Involution melancholia,	1	4	5	–	1	1	–	–	–	–	2	2	–	–	–	–	–	–	–	3	3
Manic depressive,	9	23	32	7	7	14	2	3	5	–	2	2	–	1	1	–	–	–	9	13	22
Paranoia,	2	9	11	–	–	–	1	2	3	1	1	2	1	1	2	–	4	4	3	8	11
Toxic insanity, acute,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total B,	39	60	99	12	13	25	5	9	14	4	13	17	5	4	9	10	12	22	36	51	87
Aggregate cases,	182	222	404	44	46	90	14	23	37	19	35	54	27	19	46	53	60	113	157	183	340
Aggregate persons,	181	220	401	44	46	90	13	23	36	19	32	51	27	19	46	53	60	113	156	180	336

11.— Discharges of the Insane, classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Capable of Self-support.			Improved.			Not improved.			Died.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	35	37	72	13	17	30	17	28	45	25	18	43	50	56	106	140	156	296
Second to this hospital, . . .	5	6	11	1	5	6	2	2	4	2	–	2	2	4	6	12	17	29
Third to this hospital, . . .	1	1	2	–	1	1	–	4	4	–	1	1	1	–	1	2	7	9
Fourth to this hospital, . . .	1	–	1	–	–	–	–	1	1	–	–	–	–	–	–	1	1	2
Fifth to this hospital, . . .	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Seventh to this hospital, . . .	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2
Eighth to this hospital, . . .	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Total cases, ...	44	46	90	14	23	37	19	35	54	27	19	46	53	60	113	157	183	340
Total persons, ...	44	46	90	13	23	36	19	32	51	27	19	46	53	60	113	156	180	336
First admitted to any hospital, .	32	33	65	9	14	23	15	22	37	22	15	37	43	48	91	121	132	253

12. — *Causes of Death, and Form of Mental Disease in Persons who died.*

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	1	4	5	–	–	–	–	–	–	–	–	–	–	–	–	1	4	5	–	–	–
terminal dementia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
senile dementia,	6	12	18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	12	18
general paresis,	6	8	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
syphilitic insanity,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	6	1	7	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	4	1	5
Cerebral apoplexy and pachymeningitis interna,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tumor of cerebellum,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																					
Broncho pneumonia,	5	1	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	1	4
Lobar pneumonia,	4	2	6	1	–	1	–	1	1	–	–	–	–	–	–	–	–	–	2	1	3
Phthisis pulmonalis,	4	7	11	–	–	–	–	5	5	–	–	–	2	–	2	2	–	2	–	–	–
Circulatory system: —																					
Angina pectoris,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
General arterio sclerosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Myocarditis, acute,	2	1	3	–	–	–	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Thrombus of femoral vein and acute degeneration of myocardium,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease,	2	2	4	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Digestive system: —																					
Acute hemorrhagic entero-colitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Gastro-enteritis and pyelo-nephritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

12. — Causes of Death, and Form of Mental Diseases in Persons who died — Continued.

CAUSES.	Aggregates.			Manic Depressive.			Dementia, Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.		
	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Genito-urinary system: —																					
Cystitis, acute,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cystitis, chronic, and pyelo-nephritis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Cystitis, hemorrhagica,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Nephritis, chronic diffuse,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Nephritis, chronic interstitial,	3	3	6	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	3	–	3
Uterine hemorrhage and effect of surgical operation,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
General: —																					
Acute alcoholism and myocarditis,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Acute hemorrhagic cystitis and lobar pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of uterus,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Chill in water and shock,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Diabetes,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Diabetes mellitus with general tuberculosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Delirium tremens and hemorrhagic infracts of lungs, with acute degeneration of myocardium,	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Facial erysipelas and exhaustion,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	–	3	3	–	–	–	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis with peritonitis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis and tuberculous meningino myelo-encephalitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hypertrophic cirrhosis of liver and parenchymatous nephritis,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Mediastinal abscess,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Myocarditis, general arterio sclerosis, with broncho pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Traumatism and acute nephritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	53	60	113	1	–	1	1	11	12	1	1	2	3	–	3	7	5	12	23	18	41

12. — Causes of Death, and Form of Mental Diseases in Persons who died — Continued.

CAUSES.	Pre-senile Dementia.			Terminal Dementia.			General Paresis.			Involution Melancholia.			Imbecility.			Exhaustion Psychosis.			Paranoia.			Syphilitic Insanity.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Exhaustion of organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
terminal dementia,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
senile dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
general paresis,	–	–	–	–	–	–	6	8	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
syphilitic insanity,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy and pachymeningitis interna,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tumor of cerebellum,	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																								
Broncho pneumonia,	–	–	–	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Lobar pneumonia,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Phthisis pulmonalis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2	–	–	–
Circulatory system: —																								
Angina pectoris,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General arterio sclerosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, acute,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Thrombus of femoral vein and acute degeneration of myocardium,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Valvular heart disease,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Digestive system: —																								
Acute hemorrhagic entero-colitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Gastro-enteritis and pyelo-nephritis,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Cystitis, acute,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Cystitis, chronic, and pyelo-nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cystitis, hemorrhagica,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Nephritis, chronic diffuse,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Nephritis, chronic interstitial,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Uterine hemorrhage and effect of surgical operation,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

12. — Causes of Death, and Form of Mental Diseases in Persons who died — Concluded.

CAUSES.	Pre-senile Dementia.			Terminal Dementia.			General Paresis.			Involution Melancholia.			Imbecility.			Exhaustion Psychosis.			Paranoia.			Syphilitic Insanity.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General: —																								
Acute alcoholism and myocarditis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute hemorrhagic cystitis and lobar pneumonia,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of uterus,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chill in water and shock,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Diabetes,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Diabetes mellitus with general tuberculosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Delirium tremens and hemorrhagic infracts of lungs, with acute degeneration of myocardium,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Facial erysipelas and exhaustion,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
General tuberculosis with peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis and tuberculous meningino myelo-encephalitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Hypertrophic cirrhosis of liver and parenchymatous nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mediastinal abscess,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, general arterio sclerosis, with broncho pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Traumatism and acute nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Totals,	–	1	1	1	3	4	11	9	20	2	3	5	–	1	1	1	–	1	1	8	9	1	–	1

18. — Duration of Mental Disease and its Treatment in Patients recovered and died.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month,	17	10	27	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	2	11	13	9	9	18	5	3	8	1	–	1	1	–	1
3 to 6 months,	7	3	10	11	13	24	8	7	15	1	1	2	1	4	5
6 to 12 months,	1	4	5	8	9	17	11	15	26	4	6	10	5	5	10
1 to 2 years,	2	1	3	1	2	3	1	4	5	4	2	6	4	2	6
2 to 5 years,	–	2	2	3	–	3	4	2	6	2	3	5	1	2	3
5 to 10 years,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	29	31	60	32	33	65	29	31	60	12	13	25	12	13	25
Unknown,	3	2	5	–	–	–	3	2	5	–	–	–	–	–	–
Totals,	32	33	65	32	33	65	32	33	65	12	13	25	12	13	25
Average of known cases (in months),	2.07	3.71	2.92	6.78	5.39	6.08	8.96	9.03	9.00	14.10	19.15	16.72	10.92	11.84	11.44

13. — Duration of Mental Disease and its Treatment in Patients recovered and died — Concluded.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —															
Congenital,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	2	7	9	10	5	15	1	1	2	1	–	1	1	–	1
From 1 to 3 months,	6	5	11	7	5	12	2	2	4	–	–	–	–	–	–
3 to 6 months,	4	4	8	6	9	15	4	2	6	1	–	1	3	–	3
6 to 12 months,	5	1	6	1	10	11	2	3	5	–	–	–	1	–	1
1 to 2 years,	8	3	11	10	6	16	5	5	10	–	–	–	–	2	2
2 to 5 years,	12	9	21	6	9	15	21	14	35	4	4	8	3	4	7
5 to 10 years,	3	6	9	3	3	6	4	5	9	2	3	5	2	1	3
10 to 20 years,	–	3	3	–	1	1	1	6	7	2	3	5	–	3	3
Over 20 years,	–	–	–	–	–	–	–	1	1	–	2	2	–	2	2
Totals,	40	39	79	43	48	91	40	39	79	10	12	22	10	12	22
Unknown,	3	9	12	–	–	–	3	9	12	–	–	–	–	–	–
Totals,	43	48	91	43	48	91	43	48	91	10	12	22	10	12	22
Average of known cases (in months),	20.57	37.40	38.87	14.85	20.35	17.75	34.99	54.16	44.45	58.15	132.75	98.93	33.30	124.58	83.09

LIST OF PERSONS

Employed at the Westborough Insane Hospital, Dec. 1, 1907.

Superintendent and physician (per year),	$3,000 00
Assistant superintendent and physician (per year),	2,000 00
Assistant physician (per year),	1,100 00
Assistant physician (per year),	1,000 00
Assistant physicians (two), each (per year),	700 00
Assistant physician (per year),	600 00
Pathologist (per year),	1,500 00
Steward (per year),	1,200 00
Treasurer (per year),	525 00
Clerk (per month),	50 00
Secretary to superintendent (per month),	35 00
Record clerk (per month),	40 00
Pharmacist (per month),	22 00
Supervisor (female) (per month),	75 00
Supervisor (male) (per month),	60 00
Assistant supervisors (female, three), each (per month),	30 00
Assistant supervisor (female) (per month),	25 00
Assistant supervisor (male) (per month),	35 00
Matron of nurses' home (per month),	30 00
Head seamstress (per month),	32 00
Seamstresses (six) (per month),	$14 00 to 23 00
Nurses (male, forty-two) (per month),	24 00 to 35 00
Nurses (female, sixty-nine) (per month),	16 00 to 20 00
Night watch (male) (per month),	35 00
Night watch (female) (per month),	25 00
Baker (per month),	80 00
Storekeeper (per month),	46 00
Meat cutter (per month),	46 00
Office girls (two) (per month),	$16 00 and 20 00
Hall boy (per month),	14 00
Housekeeper (per month),	35 00
Cook (male) (per month),	66 00
Cook, pastry (female) (per month),	25 00
Cook, Talbot (female) (per month),	28 00

Cook, Stanley (female) (per month,)	$26 00
Cook, superintendent (female) (per month,)	25 00
Cook, Osgood (female) (per month),	20 00
Cook, Warren (female) (per month),	25 00
Cook, Speare (female) (per month),	25 00
Cook, Richmond (female) (per month),	30 00
Cook, farmhouse (female) (per month),	23 00
Cook, Heath (female) (per month),	25 00
Cook, order (female) (per month),	27 00
Head laundress (per month),	52 00
Richmond laundress (per month),	32 00
Laundry helpers (male, three) (per month),	$25 00 to 34 00
Laundry helpers (female, seven) (per month),	20 00 to 24 00
Kitchen helpers (male, three) (per month),	16 00 to 25 00
Kitchen helpers (female, four) (per month),	18 00 and 19 00
Basement boys (three) (per month),	18 00 to 25 00
Scullery man (per month),	20 00
Waitresses (seven) (per month),	$16 00 to 19 00
Chambermaids (two) (per month),	18 00 and 20 00
Carpenter (per day),	3 25
Carpenters (four) (per day),	2 75
Painter (per day),	3 00
Mason (per day),	3 75
Engineer (per year),	1,200 00
Assistant engineer (per month),	80 00
Assistant engineers (three), each (per month),	60 00
Engineer's assistant (per month),	40 00
Plumber (per month),	91 00
Assistant plumber (per month),	50 00
Firemen (ten), each (per month),	40 00
Firemen (three), each (per month),	50 00
Fireman (per month),	44 00
Farmer (per year),	1,000 00
Farm foreman (per month),	36 00
Farm watchman (per month),	27 00
Farm teamsters (seven) (per month),	$27 00 and 33 00
Farm laborers (eight) (per month),	20 00 to 27 00
Barnmen (three) (per month),	27 00 and 35 00
Gardener (per month),	56 00
Assistant gardeners (two) (per month),	$20 00 and 27 00
Coachman (per month),	37 00
Expressman (per month),	23 00
Blacksmith (per day),	2 25

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the Year ending Nov. 30, 1907.

465 aprons, white.
110 aprons, waiters.
66 aprons, colored.
102 aprons, ticking.
6 aprons, butchers.
2 altar cloths.
76 bags, tea and coffee.
271 bags, laundry.
24 bags, individual.
54 bed spreads tagged.
12 bread cloths.
2 canvas bed sheets with jacket.
9 canvas bed sheets.
81 canvas bed sheets repaired.
6 canvas bath tub covers.
3 canvas wagon covers.
8 canvas camisoles.
6 canvas muffs.
70 canvas straps.
71 coats, waiters.
43 coat sleeves shortened.
186 curtains made.
38 curtains hemmed.
8 pairs curtains, drapery.
8 pairs curtains, ticking.
6 pairs curtains, dark.
145 pairs curtains, sash.
85 curtains, screen.
74 curtains, linen room.
2 chair cushions.
5 couch covers.
212 chemises.
10 dresses, cotton.
72 dresses, strong.
238 dresses, strong, repaired.
5 dress waists altered.
8 dress waists made.
8 dress skirts altered.
3 dress skirts made.
250 pairs drawers.
47 dusters.
12 doilies.
39 jumpers tagged.
4 kimonas.
85 linen table cloths, white.
20 linen table cloths, colored.
1,056 linen napkins.
180 linen napkins, mercerized.
344 linen shams.
392 linen bureau scarfs.
18 linen table squares.
127 neckties tagged.
211 night dresses, bleached.
622 night dresses, unbleached.
24 night dresses, short.
708 napkins, sanitary.

45 pairs overalls tagged.	609 shirts, outing.
32 pads.	64 shirts, night, bleached.
916 pillow slips, bleached.	210 shirts, night, unbleached.
2,240 pillow slips, unbleached.	132 shirts, night, short.
173 rugs bound.	146 shirts, long.
84 rugs repaired.	9 skirts, short.
36 restraint lacings.	140 ticks, mattress.
71 pairs socks tagged.	80 ticks, pillow.
9 silence cloths.	71 pairs trousers shortened.
2 sofa pillow covers.	65 pairs trousers repaired.
30 surgical bandages.	174 towels, roller, long.
976 sheets, bleached.	4,929 towels, roller, short.
40 sheets, bleached, double.	796 towels, glass.
2,743 sheets, unbleached.	1,269 towels, dish.
4 shirt waist suits made.	323 pairs blankets bound and tagged.

PRODUCTS OF THE FARM.

Dec. 1, 1906, to Nov. 30, 1907.

Apples, 461 barrels,	$1,383 00
Asparagus, 47 boxes,	199 75
Beans, string, 136½ bushels,	136 50
Beans, shell, 41⅜ bushels,	51 72
Beans, lima, 1½ bushels,	2 25
Beef, 1,396 pounds,	83 76
Beets, 797 bushels,	398 50
Beet greens, 120 bushels,	42 00
Blackberries, 13 quarts,	1 30
Broilers, 7 pounds,	1 75
Brussels sprouts, 70 quarts,	7 70
Cabbage, 14,660 heads,	733 00
Carrots, 450 bushels,	270 00
Cauliflower, 8½ boxes,	8 50
Celery, 220 boxes,	187 00
Cider, 107½ gallons,	10 75
Chard, 340 bushels,	119 00
Chicken, 454 pounds,	99 88
Corn, green, 517 bushels,	387 75
Cucumbers, 1,041 pecks,	416 40
Cress, 8 bushels,	4 00
Eggs, 1,567 dozen,	548 45
Fowl, 49 pounds,	7 35
Ice, 1,000 tons,	3,000 00
Amount carried forward,	$8,100 31

Amount brought forward,	$8,100 31
Kale, 100 bushels,	30 00
Kohlrabi, 9¼ bushels,	4 63
Leeks, 20 bushels,	7 00
Lettuce, 95 boxes,	71 25
Milk, 263,027 quarts,	13,151 35
Okra, 7 quarts,	1 75
Onions, 549 bushels,	466 65
Parsley, 2 7/12 bushels,	1 29
Parsnips, 458 bushels,	343 50
Pears, 54 bushels,	94 50
Peas, 68½ bushels,	68 50
Pork, 51,684 pounds,	4,134 72
Potatoes, 752 bushels,	601 60
Quinces, 1 bushel,	1 00
Radishes, 224½ dozen,	89 80
Rhubarb, 3,550 pounds,	71 00
Salsify, 15 5/12 bushels,	15 42
Spinach, 380 bushels,	152 00
Squash, winter, 298⅕ barrels,	447 30
Squash, summer, 25½ barrels,	25 50
Tomatoes, 284½ bushels,	213 38
Turnips, 278 barrels,	347 50
Veal, 140 pounds,	15 40
Wood, 8 cords,	36 00
English hay, 260 tons,	4,680 00
Meadow hay, 25 tons,	200 00
Ensilage, 500 tons,	2,500 00
Rye straw, 2 tons,	31 50
Oat fodder, 1 ton,	5 00
Green feed, 160 tons,	800 00
Manure, 365 cords,	2,190 00
	$38,897 85

PRODUCTS ON HAND NOV. 30, 1907.

Apples, 329 barrels,	$987 00
Beans, shelled, 12 bushels,	15 00
Beets, 570 bushels,	285 00
Brussels sprouts, 50 quarts,	5 50
Cabbage, 11,200 heads,	560 00
Carrots, 380 bushels,	228 00
Celery, 175 dozen,	148 75
English hay, 220 tons,	3,960 00
Meadow hay, 25 tons,	200 00
Rye straw, 2 tons,	31 50
Oat fodder, 1 ton,	5 00
Ice, 125 tons,	375 00
Kale, 50 bushels,	15 00
Leeks, 20 bushels,	7 00
Onions, 410 bushels,	348 50
Parsnips, 410 bushels,	307 50
Pears, 8 bushels,	14 00
Potatoes, 210 bushels,	168 00
Salsify, 15 bushels,	15 00
Squash, winter, 224⅓ barrels,	336 30
Turnips, 245 barrels,	306 25
Wood, 45 cords,	202 50
Ensilage, 460 tons,	2,300 00
	$10,820 80

SUMMARY OF THE FARM ACCOUNT.

Dr.

Apple trees,	$30 15
Bedding for cattle,	439 78
Blacksmith's supplies,	275 70
Blankets,	28 30
Board of farmers,	4,774 50
Carpenter's labor,	412 26
Exterminating moths,	48 80
Fertilizers,	1,342 89
Harness,	60 00
Harness repairs,	33 30
Hay and grain,	9,457 54
Horses,	425 00
House rent,	144 00
Lumber, etc., for repairs,	283 99
Machinery and implements,	388 48
Ox yokes,	15 70
Registering cattle,	10 00
Seeds, etc.,	301 80
Sundries,	21 32
Swill,	547 50
Teaming sleds,	39 69
Trimming trees,	34 00
Veterinary,	6 00
Wages of farmers,	8,451 59
Wage and board attendant,	594 67
Wagon repairs,	9 25
	$28,176 21
Profit of the farm to balance,	5,286 72
	$33,462 93

Cr.

Apples, 254 barrels,	$762 00
Asparagus, 47 boxes,	199 75
Beans, string, 136½ bushels,	136 50
Beans, shell, 49⅜ bushels,	61 72
Beans, lima, 1½ bushels,	2 25
Beef, 1,396 pounds,	83 76
Beets, 488¼ bushels,	244 13
Beet greens, 120 bushels,	42 00
Blackberries, 13 quarts,	1 30
Broilers, 7 pounds,	1 75
Brussels sprouts, 20 quarts,	2 20
Cabbage, 7,577 heads,	378 85
Carrots, 192½ bushels,	115 50
Cauliflower, 8½ boxes,	8 50
Celery, 73 1/12 boxes,	62 12
Chard, 340 bushels,	119 00
Chicken, 454 pounds,	99 88
Cider, 130½ gallons,	13 05
Corn, green, 517 bushels,	387 75
Cress, 8 bushels,	4 00
Cucumbers, 1,041 pecks,	416 40
Eggs, 1,567 dozen,	548 45
Fowl, 49 pounds,	7 35
Ice, 649½ tons,	1,948 50
Kale, 50 bushels,	15 00
Kohlrabi, 9¼ bushels,	4 63
Leeks, 1½ bushels,	53
Lettuce, 95 boxes,	71 25
Milk, 263,027 quarts,	13,151 35
Okra, 7 quarts,	1 75
Onions, 291 bushels,	247 35
Parsley, 2 7/12 bushels,	1 29
Parsnips, 321¼ bushels,	240 94
Pears, 46¼ bushels,	80 94
Peas, 68½ bushels,	68 50
Amount carried forward,	$19,530 24

Amount brought forward,	$19,530 24
Pork, 51,684 pounds,	4,134 72
Potatoes, 566 bushels,	452 80
Quinces, 1 bushel,	1 00
Radishes, 224½ dozen,	89 80
Rhubarb, 3,550 pounds,	71 00
Salsify, $\frac{5}{12}$ bushel,	42
Spinach, 380 bushels,	152 00
Squash, winter, 177¼ barrels,	265 87
Squash, summer, 25½ barrels,	25 50
Tomatoes, 284½ bushels,	213 38
Turnips, 197 bushels,	246 25
Veal, 140 pounds,	15 40
Wood, 15 cords,	67 50
Bran, 440 pounds,	5 84
Brushes, etc.,	2 85
Corn, 11 bushels,	8 42
Grease, 3,559 pounds,	71 18
Hay, 10⅓ tons,	186 07
Labor, men, 1,708 days,	2,989 00
Labor, teams, 1,370 days,	3,767 50
Linseed, 400 pounds,	6 33
Oats, 967 bushels,	558 56
Shoeing, repairing, etc.,	369 36
Straw, 2,936 pounds,	20 89
Tallow, 81 pounds,	3 24
Sales: —	
Calves,	107 50
Cow,	48 62
Hides,	25 55
Shoeing, etc.,	26 14
	$33,462 93

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Public Document No. 30

TWENTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

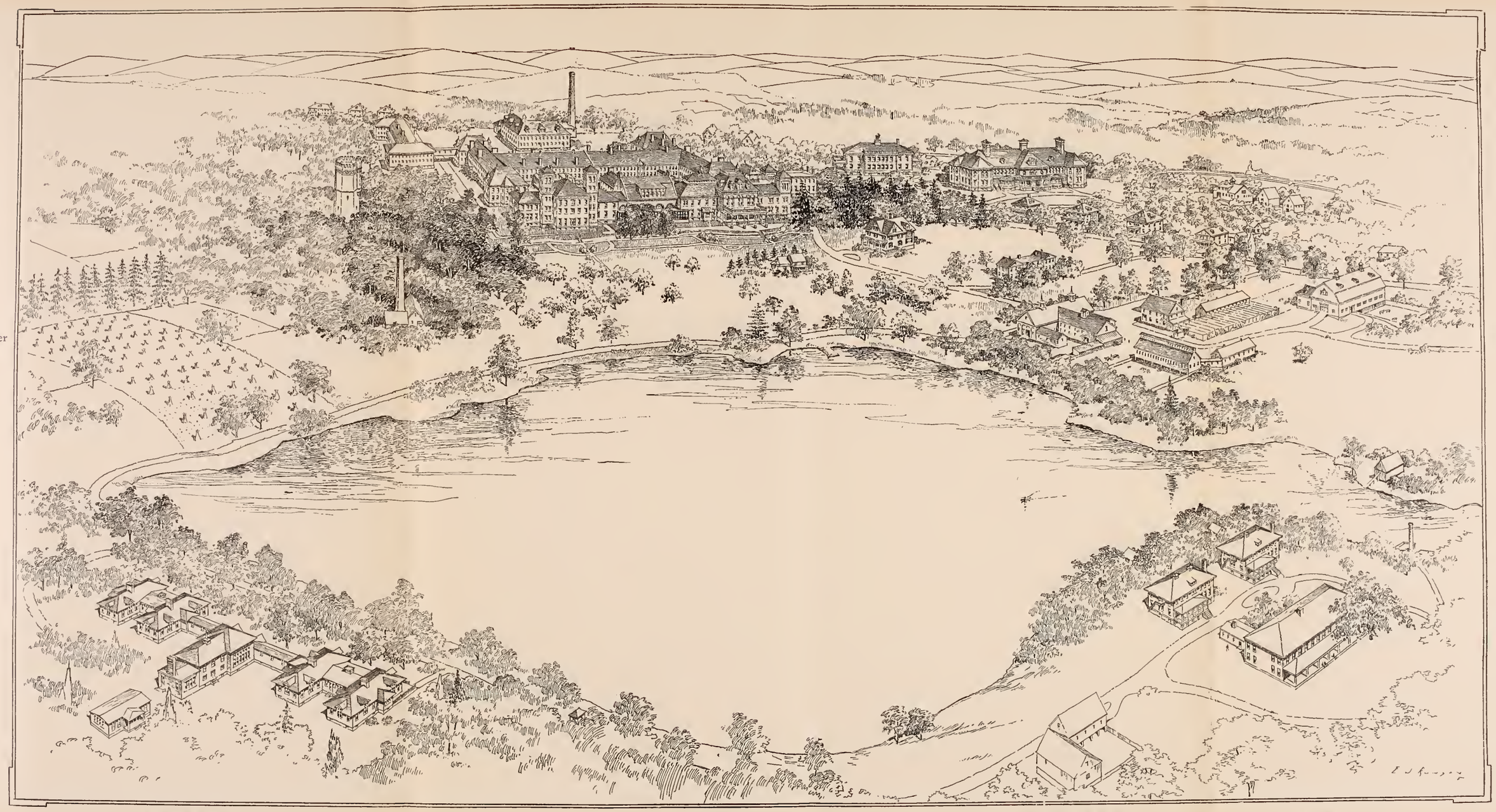
OF THE

WESTBOROUGH INSANE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1908.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1909.


Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Codman Building.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Richmond Colony.
Laundry.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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Mass.: Westborough State Hospital (Insane)

BOSTON:
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1909.

JAN 31 1921
STATE HOUSE, BOSTON
Mass. Officials

Approved by

The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman*,	NORTHBOROUGH.
ELIZA C. DURFEE, *Secretary*,	FALL RIVER.
SARAH B. WILLIAMS,	TAUNTON.
LEWIS R. SPEARE,	BOSTON.
WILLIAM AVERY CARY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.
JOHN M. MERRIAM,	SOUTH FRAMINGHAM.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	2,000
WILLIAM W. COLES, M.D., *Assistant Physician*,	1,000
M. M. JORDAN, M.D., *Assistant Physician*,	1,000
RUTH BARKER-COLES, M.D., *Assistant Physician*,	800
ESTHER S. BARNARD, M.D., *Assistant Physician*,	700
C. C. BURLINGAME, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,500
MELVILLE L. STACY, *Steward*,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully submit this, their twenty-fourth annual report.

As will be seen by the report of the superintendent, the new construction, for which appropriations were asked last year, is progressing very satisfactorily, most of the new buildings being nearly ready for occupancy. The new boiler house and the increased power plant are already completed and work satisfactorily.

The work of laying the water main, to connect with the metropolitan water system, has progressed very slowly during the summer. This has been due to unforeseen obstacles, — in some respects, to the unusual character of the evacuation, which rendered the work very difficult and expensive. A difference of opinion having arisen between the engineer employed by the contractor and the engineer of the hospital as to the practicability of modifying the plans used, to render the work less expensive and more easily done, it was deemed best to ask advice of a consulting engineer. Mr. Frederick P. Stearns, consulting engineer of the Metropolitan Water Board, was asked to look over the work and give an opinion, and, as a result of his opinion, the original plans were not changed. According to the estimate of our engineer, Mr. Van Valkenburg, it will require about $5,000, in addition to the present appropriation, to complete the contract. The Board respectfully asks for this appropriation.

The two buildings for the acute and convalescent cases have been in operation now for five years, under the immediate direction of the assistant superintendent Dr. Henry I. Klopp. An analysis of the results obtained by these modern methods, as shown by the report of the superintendent, proves conclusively the necessity of such buildings if we would accomplish the best results.

At the present time we have but one building for the acute disturbed cases, which is devoted to women, and this building is not large enough to accommodate all the women of this class. It is deemed desirable, therefore, by the trustees, that a new building, accommodating sixty cases of this type, be constructed for women and that the present Codman building be devoted to acute male cases. With this end in view plans and specifications have been submitted to the State Board of Insanity, and the trustees would respectfully ask for an appropriation of $65,000 for the construction and equipment of such a building.

With the enlargement of the power plant, necessitating, as it does, an increase in fuel, the question of transportation of coal from the railroad to the hospital is a problem to be solved in the near future. Heretofore this has been done entirely by teams, over an ordinary country road, nearly or quite impassable for some weeks in early spring. It is estimated that this has cost about thirty-five cents a ton. With an increase in amount of fuel this cost will necessarily increase, especially when the high cost of horses suitable for such work is considered. A spur track from the Fitchburg division of the New York, New Haven & Hartford Railroad would undoubtedly be the best solution of the difficulty, but the estimated expense (made by the officials of the road) of $30,000 seems prohibitive, and other means are under consideration by this Board. The need is imperative, and it is hoped a plan may be perfected in season for the necessary appropriation to be made this year.

The new service and cold-storage building has been in operation about six months, and has been very satisfactory, both from an economic and an administrative point of view.

The Board has watched with interest the experiment of placing a few selected convalescent cases by themselves in the unoccupied Osgood cottage, and the result seems to be very satis-

factory, and suggests the idea that a similar arrangement may, in the future, prove an economic and desirable way of housing these patients who are nearly ready to be returned to their homes. We note with pleasure what the superintendent says in his report about the increase in the number of voluntary patients, and the good effect on the whole atmosphere of the institution. We believe this to be a step in the right direction, and one which, under proper restriction, should be encouraged.

As will be seen by the report of the superintendent, there have been some changes in the personnel of the staff during the past year. We regret the enforced retirement, by illness, of Dr. Buhrman, and would express our appreciation of her uniform kindness, courtesy and ability.

It is with a feeling of profound regret that we note the retirement from our Board of one of its oldest and most efficient members, Mr. B. W. Childs of Worcester. Mr. Childs has been a member of this Board since 1893, and for many years a member of its construction committee. A man with a wide knowledge of public affairs, of no little experience in the construction of both public and private buildings, — he has shown himself a most sincere, honest and valuable public servant of the Commonwealth. In his place, Mr. John M. Merriam of South Framingham, a former member of the Board, has been reappointed.

The following is a list of appropriations requested: —

For erecting and furnishing a new building for the acute insane,	$65,000 00
For completing water service,	5,000 00
For enlargement of morgue,	600 00

The Board desires to express to the members of the hospital staff its appreciation of their faithful service during the past year.

It seems to this Board that appreciation of the faithful, gratuitous services of the past trustees of the institution merits at least such recognition as may be recorded by publishing in each annual report a list of their names and terms of service. The following is such a list: —

NAME.	Residence.	When appointed.	Service ended.	For what Cause.
Charles R. Codman,	Cotuit,	1884	1898	Resigned.
Henry S. Russell,	Milton,	1884	1887	Resigned.
Lucius G. Pratt,	West Newton,	1884	1886	Resigned.
Francis A. Dewson,	Newtonville,	1884	1895	Resigned.
Archibald H. Grimke,	Boston,	1884	1894	Resigned.
Phebe J. Leonard,	Bridgewater,	1884	1886	Resigned.
Emily Talbot,	Boston,	1884	1899	Deceased.
George B. Richmond,	New Bedford,	1886	1903	Deceased.
Anna M. Day,	Norwood,	1886	1888	Resigned.
Frank B. Goulding,	Worcester,	1888	1892	Resigned.
Martin Greene,	Worcester,	1892	1893	Resigned.
Benjamin W. Childs,	Worcester,	1894	1907	Resigned.
Alden Speare,	Newton,	1894	1902	Deceased.
George H. Quincy,	Boston,	1895	1895	Deceased.
John M. Merriam,	South Framingham,	1895	1906	Resigned.
Edward H. Haskell,	Newton,	1898	1900	Resigned.
Charlotte E. W. Buffington,	Worcester,	1901	1901	Resigned.

JOHN L. COFFIN, M.D., *Chairman.*
ELIZA C. DURFEE, *Secretary.*
SARAH B. WILLIAMS.
WILLIAM A. CARY.
LEWIS R. SPEARE.
GEORGE B. DEWSON.
JOHN M. MERRIAM.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Nov. 30, 1908.

The following table shows the movement of population the past year: —

	Males.	Females.	Total.
Patients in the hospital Dec. 1, 1907,	354	541	895
Admissions within the year,	255	371	626
Whole number of cases within the year,	609	912	1,521
Dismissed within the year,	274	331	605
Viz : to friends,	89	152	241
on visit,	63	91	154
died,	70	36	106
transferred,	47	50	97
escaped,	5	2	7
Patients remaining Nov. 30, 1908,	335	581	916
Daily average of patients,	364.24	562.17	926.41

Of those admitted, 363 were commitments of the insane, 9 of inebriates, 14 were transfers of the State Board of Insanity, 73 were voluntary, 166 were returned from visit and 1 from escape. The 73 voluntary admissions are noteworthy, as being twice the number admitted the previous year. The knowledge that voluntary cases are accepted at this hospital is extending and many more apply. Some of these we have to refuse, as we do not think they are suitable. With the careful inspection and supervision given by the State Board of Insanity, to prevent the reception of unsuitable cases, there is no reason why half the admissions should not come voluntarily. I find these patients are reasonable and generally willing to remain while their physician thinks best, and the fact that they come of their own

volition prevents prejudice against the hospital, so frequently found in committed patients. Of those dismissed, 241 went to their homes and friends, 97 were removed by the State Board of Insanity and 7 escaped. There were 106 deaths and 154 are absent on visit.

Those sent to their homes and friends consist first of the recovered cases, — those able to take up their duties and responsibilities; also those capable of self-support, some of whom may further improve or recover under home conditions; finally, others who are not so well, but can be properly cared for by their relatives who are willing to receive them. I, however, decline to send out any person who, by reason of his mental condition, would be a menace to himself or others. I maintain this position even when I must resist the pleadings, and sometimes the demands, of friends who do not realize the dangers of the patient's mental affection.

Two thousand feet of 8-inch pipe has been laid in the past season, the excavating and filling in of trenches being done by the labor of patients. Five hydrants were connected on the line, giving excellent fire service, for the protection of all buildings as far as the large barn.

The service building was completed and occupied in May, 1908, and proves satisfactory in every way. It provides facilities for the correct accounting for all goods received and their disbursement, and we are also able to take advantage of favorable market prices to put meat, butter, eggs and other supplies in cold storage.

Two new 72-inch horizontal tubular boilers have been purchased and installed, and are in use. In anticipation of the increased boiler capacity, the Codman building, which had a separate heating boiler, was connected with our central steam plant during the summer. Another generating unit, consisting of an American Ball engine of 155 horse power and a Westinghouse generator of 110 kilowatt capacity, was purchased, has been placed in position, and the electrical connections are completed, and the unit is ready for use.

The work on the three new buildings, for which an appropriation was given by the Legislature, — a cottage for women nurses, a building for married employees and a farmer's cot-

tage, — has been pushed by the hospital carpenter's force, and will be completed during the winter; when occupied, it will set free a ward for men and also one for women, so that we will have additional accommodations for 40 patients.

Under the appropriation a silo was built, a motor, transformer and cutter purchased, the electrical connection was made, and the silo filled with one hundred tons of ensilage in September.

The excavating for the new coal shed was accomplished by work of the patients, and a structure of concrete is being made.

During the past summer the Osgood cottage was fitted up to care for 6 convalescent women patients. This was done because Talbot was full. Only those nearly ready to go home were placed there. Each one makes her own bed and assists with the general work, going to Talbot for meals. The success of this step was immediate, and the promise to go to the cottage is considered as a long step toward home-going and is eagerly sought.

During the month of November I put our force of nurses and attendants on sixty hours a week duty in six days, with entire freedom from work on the seventh. The new plan is working without friction, but we must ask for an increased appropriation for wages and maintenance of the extra employees.

Preparations are completed to begin weekly payments of officers and employees the beginning of the hospital year, Dec. 1, 1908.

Talbot building cares for the quiet and convalescents of both sexes. Codman building is filled with disturbed women. We need another building to care for the men as well as the women. When this is done our hospital group will be complete, and will segregate for treatment all the recent cases of both sexes. Plans have been prepared for such a building, equipped to care for these cases in the best manner, arranged for the continuous neutral baths and for electrical and other therapeutic appliances. I recommend that an appropriation sufficient to erect a building with all those essentials be asked for.

The present morgue is not large enough to care for our present needs, but with an addition, at a moderate cost, it can be made ample for many years. The work, under a plan presented

to the State Board of Insanity, can be done by the hospital force. I recommend that we ask for $600 for this purpose.

By reason of unforeseen obstacles in completing the 12-inch water main the appropriation of $35,000 will be insufficient to complete the work. Our engineer, J. J. Van Valkenburg, estimates that nearly $5,000 more will be needed, and I recommend we ask for $5,000 additional for this purpose.

The most important duty of the hospital physician is the curative treatment of recent cases. It is a duty we owe alike to the individual, to the family and to the Commonwealth. I wish here to call your attention to the good results obtained in a series of years. Five years ago last March I put all the recent and acute cases in the care of one physician, — the one with the most experience, the assistant superintendent, — the other members of the staff having opportunity to study the cases and to see both treatment and results. Statistics for the admissions and discharges for the five-year period have been prepared. The total number received was 901. Of these, 73 are not considered, being sane voluntary admissions; 51 others were found to be incurable forms, and were in a few days or weeks or months transferred elsewhere. Of the remaining 767 cases, 354 were sent out recovered, a total of 46 per cent., and others are convalescing and will also go out well. An interesting feature is the shorter duration of hospital residence in succeeding years, showing the value of intelligent, well-directed and persistent treatment. In the first year the hospital residence of recovered cases was 6.76 months; second year, 5.96 months; third year, 5.67 months; fourth year, 5.48 months, and the fifth year, 3.47 months. During this period we have developed the application of the continuous neutral baths, and extended each year the open-air treatment, but the chief factor in the results obtained are due to the personal element in the direction of treatment. I present a table of these admissions and discharges, showing these results.

Admissions of Recoverable Cases for Five Years, March 1, 1903, to March 1, 1908.

	1903 and 1904.			1904 and 1905.			1905 and 1906.			1906 and 1907.			1907 and 1908.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Manic depressive,	15	41	56	13	45	58	11	38	49	15	33	48	8	40	48	62	197	259
Exhaustion psychosis,	–	–	–	1	6	7	1	3	4	–	3	3	1	9	10	3	21	24
Dementia præcox,	14	27	41	15	26	41	18	61	79	23	43	66	18	43	61	88	200	288
Alcoholic insanity,	14	3	17	17	2	19	17	5	22	23	5	28	22	12	34	93	27	120
Involution melancholia,	–	8	8	3	6	9	5	8	13	7	12	19	7	8	15	22	42	64
Hysterical insanity,	–	–	–	–	–	–	–	1	1	–	3	3	1	1	2	1	5	6
Toxic insanity,	2	1	3	–	–	–	–	–	–	2	–	2	–	1	1	4	2	6
Totals,	45	80	125	49	85	134	52	116	168	70	99	169	57	114	171	273	494	767

Discharges of Recovered Cases for Five Years, March 1, 1903, to March 1, 1908.

Manic depressive,	14	37	51	12	37	49	12	19	31	10	22	32	3	17	20	51	132	183
Exhaustion psychosis,	–	–	–	–	2	2	1	2	3	–	2	2	–	5	5	1	11	12
Dementia præcox,	4	8	12	4	3	7	3	13	16	8	9	17	2	6	8	21	39	60
Alcoholic insanity,	9	2	11	12	2	14	10	2	12	21	1	22	13	3	16	65	10	75
Involution melancholia,	–	5	5	1	1	2	–	4	4	1	4	5	–	2	2	2	16	18
Hysterical insanity,	–	–	–	–	–	–	–	1	1	–	1	1	1	1	2	1	3	4
Toxic insanity,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2
Totals,	28	53	81	29	45	74	26	41	67	40	39	79	19	34	53	142	212	354
Average hospital residence (in months),	7.10	6.58	6.76	3.52	6.24	5.96	5.12	6.03	5.67	5.37	5.59	5.48	2.89	3.80	3.47	5.20	5.65	5.47

Discharges of Recovered Cases for Five Years, etc. — Concluded.

	1903 and 1904.			1904 and 1905.			1905 and 1906.			1906 and 1907.			1907 and 1908.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First admission,	23	50	73	23	30	53	16	29	45	32	28	60	18	25	43	112	162	274
Second admission,	2	2	4	2	11	13	8	8	16	4	5	9	1	7	8	17	33	50
Third admission,	1	1	2	3	1	4	1	3	4	2	3	5	–	2	2	7	10	17
Fourth admission,	–	–	–	–	2	2	–	–	–	1	1	2	–	–	–	1	3	4
Fifth admission,	1	–	1	–	1	1	–	1	1	–	–	–	–	–	–	1	2	3
Seventh admission,	1	–	1	–	–	–	–	–	–	1	1	2	–	–	–	2	1	3
Eighth admission,	–	–	–	1	–	1	–	–	–	–	1	1	–	–	–	1	1	2
Ninth admission,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1
Totals,	28	53	81	29	45	74	26	41	67	40	39	79	19	34	53	142	212	354
Total persons,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	130	200	330

Per cent. of recoveries of recoverable cases, ... 46.

The hospital received $10 as an Easter gift to the patients from Mrs. Lewis Day, and Mr. Martin Greene has sent us the "Scientific American."

Members of the choir of the Congregational Church at Westborough have come to the hospital on several occasions when their clergyman has conducted the chapel service and given very appropriate music, especially at Christmas and Easter.

Mr. Richard Daniels and Mr. S. Marshall of Westborough have sent us packages of papers and magazines, and the Massachusetts Newspaper Society and Hospital Magazine Society have also sent us newspapers and magazines at different times.

Dr. E. R. Buhrman left the hospital by resignation, on account of ill health, early in April. Dr. M. M. Jordan was promoted to fill the position made vacant by this resignation, and Dr. C. C. Burlingame, a graduate of the Hahnemann Medical College of Chicago, was appointed junior assistant physician on the male side July 1. Dr. Mary Johnson resigned the first of August, and Dr. Esther S. Barnard, a graduate of Boston University School of Medicine, was appointed junior physician on the women's side.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the Trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

Nov. 30, 1908.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

Nov. 18, 1908.

To the Trustees of the Westborough Insane Hospital.

The Consulting Board of Physicians and Surgeons report as follows: —

The Board has held its annual and semiannual meetings and the members have made their monthly visits as in previous years, rendering services as per list appended.

We have inspected the new bakery, storehouse and refrigerating plant, and consider them well up to the modern demands of sanitary science.

Visits to the pathological department have been very interesting, and show the advantage of the new laboratory. The pathologist is doing most excellent original work. We find, however, that a great deal of his time is occupied with mechanical and routine work, which must of necessity curtail original research. We indulge the hope that soon there may be found ways and means for providing him with an assistant, to do the manual part, sectioning, recording, etc.

We would strongly recommend the erection of another building for acute disturbed cases, so that both sexes may enjoy equal advantages.

We congratulate your Board on the return to it of Mr. J. M. Merriam.

Dr. Winfield Smith, 12 operations.

Dr. G. A. Suffa, 1 case needling; 15 refractive cases.

Dr. G. B. Rice, 6 cases nose and throat disease.

Dr. E. P. Colby, 6 cases nervous disease.

Dr. F. B. Percy, 12 cases general character.

EDWARD P. COLBY, *Chairman.*
N. EMMONS PAINE, *Secretary.*
HOWARD P. BELLOWS.
GEORGE B. RICE.
JOHN P. RAND.
CHARLES L. NICHOLS.
GEORGE A. SUFFA.
FREDERICK B. PERCY.
WINFIELD SMITH.
JOHN P. SUTHERLAND.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, *Superintendent, Westborough Insane Hospital.*

Sir: — A report of the work done in the pathological laboratory for the year ending Nov. 30, 1908, is herewith presented.

During the year two papers, the result of a study of some of the autopsy material of the previous year, were published. One of these papers was prepared by Dr. Coles, working in the laboratory at spare moments, and the other by myself. These papers were, respectively, (*a*) an obscure clinical case which anatomically proved to be an early case of dementia paralytica, and (*b*) the histological changes in the central nervous system of a case dying in delirium tremens.

Two papers were prepared during the year for scientific societies. One of these papers was an analysis of 108 cases of dementia præcox in men, prepared in collaboration with Dr. Coles, and presented at the annual meeting of the section of neurology and psychiatry of the American Institute of Homœopathy, held at Kansas City in June. The other paper was a clinical and anatomical report of 8 cases of aphasia, with serial sections through the entire brain in 4 cases, which I reported at the fall meeting of the New England Society of Psychiatry, which convened at Bridgewater in September.

In course of preparation are four papers: (*a*) report of multiple sarcomatous nodules in the brain, metastasis from primary sarcoma of the testicle; (*b*) traumatic transverse myelitis, with death following a week after the injury; (*c*) anatomical note on the appearance of a well-developed *Affenspalte* in a European brain, including a histological localisation of the *area striata* on the mesial and convex surfaces of the occipital lobes; and (*d*) histological changes in the senile cord.

There have come to autopsy during the year 47 cases, 44.3 per cent. of the death-rate. The most of this material has

proven instructive. The autopsy material has been more thoroughly recorded than in any previous year, and the preparation of a large number of serial sections, photographs of gross specimens and photomicrographs have enhanced the value of our records as scientific data. The total number of separate examinations for the year, as shown by the accession book, was 1,288.

The regular ward visits with the physicians in charge of the different clinical services have been continued as in previous years, and I would here express my appreciation of the hearty co-operation of the members of the staff in the selection of cases for study, and for their unfailing efforts to make the work of the laboratory successful.

For your continued support and encouragement I am deeply grateful.

Respectfully submitted,

SOLOMON C. FULLER, M.D.,
Pathologist.

REPORT OF THE TREASURER

For the Year ending Nov. 30, 1908.

Assets.

247 acres cultivated land, 178 acres pasturing, 143 acres woodland, 36 acres meadow, 17 acres sprout land, 10 acres unreclaimed land, 9 acres grove land, 68 acres lawns, roads, walks, yards, etc., main hospital buildings, Talbot, Richmond, Codman, Speare and Dewson cottages, pathological building, service building, water plant, sewage plant, heating plant, farmhouse, Stanley house, Houghton house, Warren house, Osgood cottage, Forbes cottage, Clark cottage, Knight cottage, steward's cottage, small cottage, Heath house, superintendent's house, male employees' house, nurses' homes, Richmond laundry, building for tuberculosis patients, main barn, Stanley barn, Warren barn, Heath barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boat house, Stanley henhouse, coach house, flour and store house, store barn, carpenter shop and vegetable cellar, greenhouse, waiting station, pumping station, morgue, hose house and attendants' homes, ...	$767,125 00

Personal Estate.

Stock and supplies, as per inventory, ...	$161,153 91
Cash on hand, ...	-
	$161,153 91

Receipts.

Received for support of patients: —		
From cities and towns, ...		$593 85
From individuals, ...		53,922 12
From reimbursements: —		
At institution, . .	$11,422 40	
By Board of Insanity, . .	38 57	
		11,460 97
Amount carried forward, ...		$65,976 94

Amount brought forward,		$65,976 94	
Received for rent,		120 00	
Received for interest on bank balance,		261 15	
Received for use of telephone,		70 67	
Received for fines, etc.,		23 39	
Received for rebate on pay roll,		8 10	
Received for rebate on merchandise, etc.,		16 00	
Received for rebate on transportation,		27 59	
			$66,503 84
Received from sales of: —			
Grease,		$186 52	
Lunches,		4 38	
Clothing and clothing material,		505 83	
Machinery, etc.,		97 40	
Farm sales,		342 57	
Junk,		129 16	
Books, buttons and thermometers,		162 37	
			1,428 23
Received from Commonwealth on account of current expenses,		$241,240 50	
Less advance returned,		5,000 00	
			236,240 50
Received from Commonwealth on account of special appropriations,			47,225 92
Total receipts,			$351,398 49

EXPENSES.

1. Salaries and wages,		$99,667 84	
2. Food,		59,255 51	
3. Clothing and material,		6,168 51	
4. Furnishings,		11,256 42	
5. Heat, light and power,		23,480 28	
6. Repairs and improvements,		10,735 54	
7. Farm, stable and grounds,		17,121 98	
8. Miscellaneous: —			
Auditing (1907),	$15 00		
Books, periodicals, etc.,	226 65		
Board of out-patients,	48 00		
Chapel services and entertainments,	576 00		
Freight, expressage and transportation,	2,208 40		
Funeral expenses,	127 00		
Hose, etc.,	69 94		
Medicine and hospital supplies,	1,721 41		
Medical attendance,	491 50		
Amounts carried forward,	$5,483 90	$227,686 08	

Amounts brought forward,	$5,483 90	$227,686 08	
Postage,	603 92		
Printing and printing supplies,	592 43		
Return of runaways,	76 24		
Soap and laundry supplies,	2,124 84		
Stationery and office supplies,	682 19		
School books, etc.,	383 69		
Travel and expense (official),	621 98		
Telephone and telegraph,	452 01		
Tobacco,	473 14		
Water,	446 35		
Sundries,	2,208 92		
		14,149 61	
Total current expenses,			$241,835 69
For salaries and wages due Nov. 30, 1907,		$7,702 27	
For miscellaneous bills due Nov. 30, 1907,		8,274 91	
			15,977 18
			$257,812 87
Less schedule of salaries and wages and miscellaneous bills for November, 1908, approved but unpaid, and included in the foregoing itemized statement of current expenses,			21,572 37
			$236,240 50
For payments to the Treasurer of the Commonwealth, account income: —			
By the institution,		$67,893 50	
By Board of Insanity,		38 57	
			67,932 07
For account of special appropriations,			47,225 92
For balance, cash on hand Nov. 30, 1908,			–
Total payments,			$351,398 49

LIABILITIES.

Salaries and wages due Nov. 30, 1908,	$9,043 73	
Miscellaneous bills due Nov. 30, 1908,	12,528 64	
		$21,572 37

BILLS RECEIVABLE.

Due hospital for board of patients Dec. 1, 1908: —		
From cities and towns,	$96 11	
From individuals,	2,574 97	
		$2,671 08
Balance appropriation for current expense,		25,616 61

SUMMARY.

Total receipts,	$351,398 49
Total payments,	351,398 49
Balance, cash on hand,	–
Bills receivable,	$2,671 08
Total available for current expenses (balance appropriation),	$25,616 61
Total indebtedness,	21,572 37
Balance appropriation for current expenses unexpended,	$4,044 24

Total current expenses, $241,835 69.

Average number of patients, 926.41.

Average weekly cost, $4.992.

Average weekly cost, excluding $3,500 of extraordinary repairs and improvements, $4.920.

Respectfully submitted,

H. L. DAVENPORT,
Treasurer.

WESTBOROUGH, Dec. 9, 1908.

SPECIAL APPROPRIATIONS.

On Dec. 1, 1908, there remained unexpended the following balances of the several special appropriations: —

	Balance Dec. 1, 1907.	Expended 1908.	Balance Dec. 1, 1908.
Acts of 1906.			
For installing and obtaining a new water supply, ...	$10,683 59	$5,827 78	$4,855 81
Acts of 1907.			
Extension of the water system to connect with the town of Westborough, and for the improvement of the hospital fire service,	1,423 04	1,423 04	–
Constructing and equipping new buildings for bakery, storage of supplies and refrigerating plant,	14,988 42	14,988 42	–
Purchase of land, buildings and chattels thereon and improvements thereof, ...	379 52	379 52	–
Purchase of stock to replace that lost by the burning of the barn during the year 1906, . . .	150 00	150 00	–
Resolves of 1908.			
New nurses' cottage and furnishing the same, ...	8,375 00	5,763 08	2,611 92
Cottage for farm superintendent,	2,500 00	1,609 09	890 91
Silo, ensilage cutter and motor, .	1,000 00	816 19	183 81
New building for married employees and furnishing the same,	4,500 00	2,472 33	2,027 67
Installation of an engine generator and two boilers, ...	8,500 00	8,498 05	1 95
Enlarging boiler house and building new coal shed, . . .	1,800 00	1,373 34	426 66
	$54,299 57	$43,300 84	$10,998 73

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Dipsomaniacs or Inebriates.			Voluntary, not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1907,	349	520	869	–	1	1	5	9	14	354	530	884
Admitted within the year,	234	320	554	–	24	24	18	28	46	252	372	624
Viz.: by commitment,	172	232	404	–	13	13	14	21	35	186	266	452
court,	156	213	369	–	13	13	–	–	–	156	226	382
voluntary,[1]	14	18	32	–	–	–	14	21	35	28	39	67
voluntary (from sane classification),	2	1	3	–	–	–	–	–	–	2	1	3
by transfer,	2	13	15	–	–	–	–	–	–	2	13	15
from escape,	1	–	1	–	–	–	–	–	–	1	–	1
from visit,	13	9	22	–	1	1	–	–	–	13	10	23
nominally admitted for discharge,	46	66	112	–	10	10	4	7	11	50	83	133
Whole number of cases within the year,	583	840	1,423	–	25	25	23	37	60	606	902	1,508
Dismissed within the year,	247	291	538	–	16	16	19	24	43	266	331	597
Viz.: discharged,	82	128	210	–	12	12	7	16	23	89	156	245
as recovered at time of leaving the hospital,	36	51	87	–	–	–	–	–	–	36	51	87
as capable of self-support,	12	16	28	–	–	–	–	–	–	12	16	28
as improved,	12	36	48	–	–	–	–	–	–	12	36	48
as not improved,	21	26	47	–	–	–	–	–	–	21	26	47
as not insane,	–	–	–	–	12	12	5	15	20	5	27	32
as not insane without leaving the hospital,	–	–	–	–	–	–	2	1	3	2	1	3
died,	62	43	105	–	–	–	–	–	–	62	43	105
transferred,	48	48	96	–	–	–	–	–	–	48	48	96
escaped,	5	1	6	–	–	–	–	–	–	5	1	6
on visit October 1,	50	71	121	–	4	4	12	8	20	62	83	145

[1] Voluntary at first, afterwards committed: male, 1; female, 2; total, 3.

1. — *General Statistics of the Year* — Concluded.

	Insane.			Dipsomaniacs or Inebriates.			Voluntary, not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1908,	336	549	885	–	9	9	4	13	17	340	571	911
Viz.: supported as State patients,	250	393	643	–	7	7	3	10	13	253	410	663
as town patients,	–	–	–	–	1	1	–	–	–	–	1	1
as private patients,	65	109	174	–	1	1	1	3	4	66	113	179
as reimbursing patients,	21	47	68	–	–	–	–	–	–	21	47	68
Number of different persons within the year,	535	769	1,304	–	15	15	17	29	46	552	813	1,365
Number of different persons admitted,	185	251	436	–	14	14	14	21	35	199	286	485
Number of different persons admitted by commitment,	171	230	401	–	13	13	14	21	35	185	264	449
Number of different persons dismissed,	200	224	424	–	6	6	13	16	29	213	246	459
Persons recovered,	36	51	87	–	–	–	–	–	–	36	51	87
Number of different persons discharged capable of self-support,	12	16	28	–	–	–	–	–	–	12	16	28
Daily average of patients,	360.63	538.78	899.41	–	6.17	6.17	5.70	10.11	15.81	366.33	555.06	921.39
Viz.: State patients,	274.44	396.48	670.92	–	4.62	4.62	1.78	1.74	3.52	276.22	402.84	679.06
town patients,	–	–	–	–	.92	.92	–	–	–	–	.92	.92
private patients,	65.84	97.27	163.11	–	.63	.63	3.92	8.37	12.29	69.76	106.27	176.03
reimbursing patients,	20.35	45.03	65.38	–	–	–	–	–	–	20.35	45.03	65.38

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	155	181	336
Second to this hospital,	11	35	46
Third to this hospital,	4	9	13
Fourth to this hospital,	1	3	4
Fifth to this hospital,	–	2	2
Sixth to this hospital,	–	2	2
Ninth to this hospital,	1	–	1
Total cases,	172	232	404
Total persons,	171	230	401
Never before in any hospital for the insane,	142	159	301

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	69	41	41	58	24	28	127	65	69
Other New England States,	26	25	23	20	15	19	46	40	42
Other States,	7	2	4	16	14	13	23	16	17
Total native,	102	68	68	94	53	60	196	121	128
Austria,	1	1	1	–	–	–	1	1	1
Azores,	–	1	1	–	–	–	–	1	1
British Provinces,	11	12	15	21	17	15	32	29	30
England,	5	12	8	4	11	7	9	23	15
Finland,	1	1	1	–	–	–	1	1	1
France,	–	1	1	–	–	–	–	1	1
Germany,	1	3	1	1	4	3	2	7	4
Hungary,	1	1	1	–	–	–	1	1	1
Ireland,	10	26	27	38	59	53	48	85	80
Italy,	3	3	3	–	–	–	3	3	3
Russia,	1	1	1	–	–	–	1	1	1
Scotland,	1	1	1	1	6	5	2	7	6
Sweden,	4	6	6	–	–	–	4	6	6
Turkey,	1	1	1	–	–	–	1	1	1
Total foreign,	40	70	68	65	97	83	105	167	151
Unknown,	–	4	6	–	9	16	–	13	22
Totals,	142	142	142	159	159	159	301	301	301

4. — Residence of Insane Persons admitted by Commitments.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Bristol County,	5	2	7	–	–	–
Essex County,	4	3	7	1	2	3
Hampden County,	–	–	–	1	–	1
Hampshire County,	–	–	–	–	–	–
Middlesex County,	46	52	98	11	18	29
Norfolk County,	17	23	40	3	11	14
Plymouth County,	5	6	11	–	–	–
Suffolk County,	44	48	92	9	27	36
Worcester County,	19	21	40	–	12	12
From Arkansas,	–	–	–	–	1	1
From California,	–	1	1	–	–	–
From Connecticut,	–	–	–	1	–	1
From Kansas,	–	1	1	–	–	–
From Maine,	–	1	1	–	1	1
From New Hampshire,	2	1	3	2	–	2
Totals,	142	159	301	28	72	100
Cities and towns,	97	116	213	20	51	71
Country districts,	45	43	88	8	21	29

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	49	62	111
Married,	72	58	130
Widowed,	18	38	56
Divorced,	2	–	2
Unknown,	1	1	2
Totals,	142	159	301

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Agent,	1	Mechanic,	1
Baker,	1	Milkman,	1
Barber,	1	Mining engineer,	1
Blacksmiths,	2	Motormen,	2
Bookkeepers,	5	Moulders,	2
Butler,	1	Musician,	1
Caretaker,	1	None,	16
Carpenters,	7	Operatives,	11
Casket trimmer,	1	Painters,	4
Chair mender,	1	Photographer,	1
Cigar makers,	2	Physician,	1
Clam digger,	1	Plumbers,	2
Clerks,	4	Postman,	1
Coal dealer,	1	Pressman,	1
Conductor,	1	Printer,	1
Constable,	1	Rubber worker,	1
Contractor,	1	Salesmen,	2
Currier,	1	Shipper,	1
Dentist,	1	Shoemakers,	4
Druggist,	1	Solicitor,	1
Electrical engineer,	1	Spinner,	1
Engineer,	1	Stair builder,	1
Farmers,	5	Station agent,	1
Fish dealer,	1	Stenographers,	2
Florist,	1	Students,	3
Foreman,	1	Tailor,	1
Hatter,	1	Teamsters,	4
Horse dealer,	1	Waiters,	2
Insurance agents,	4	Watchmaker,	1
Laborers,	8	Weavers,	2
Leather workers,	3		
Machinists,	6	Total,	142
Manufacturer,	1		

6.—Occupations of Insane Persons first admitted, etc.—Concluded.

FEMALES.

Boarding-house keeper,	1	None,	25
Bookbinder,	1	Nurses,	3
Bookkeepers,	2	Operatives,	7
Cashier,	1	Physician,	1
Clerks,	2	Stenographers,	3
Compositors,	2	Storekeeper,	1
Cooks,	2	Student,	1
Domestics,	17	Tailoress,	1
Dressmakers,	2	Teachers,	4
Hair dresser,	1	Waitress,	1
Hall girl,	1	Weavers,	2
Housekeepers,	2		
Housewives,	14	Total,	98
Music teacher,	1		

WIFE OR DAUGHTER OF—

Accountant,	1	Merchants,	3
Agent,	1	None,	1
Blacksmiths,	2	Operatives,	3
Bookkeeper,	1	Painters,	2
Cabinet maker,	1	Photographer,	1
Carpenters,	3	Railroad man,	1
Clerks,	6	Salesmen,	2
Coachmen,	2	Ship caulker,	1
Conductor,	1	Ship fitter,	1
Druggist,	1	Shoemakers,	2
Engineer,	1	Storekeeper,	1
Expressman,	1	Superintendent,	1
Farmers,	2	Teacher,	1
Foundryman,	1	Victualer,	1
Gardener,	1	Waiter,	1
Jeweler,	1		
Judge,	1	Total,	55
Laborers,	2	Unknown,	6
Machinists,	2		
Mason,	1	Total,	61
Meat cutter,	1	Whole total,	159

7. — Ages of Insane at First Attack, Admission and Death.

Ages.	First admitted to any Hospital.						Died.					
	At first attack.			When admitted.			At first attack.			At time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	5	9	14	–	–	–	2	2	4	–	–	–
15 years and less,	–	–	–	1	–	1	–	–	–	–	–	–
From 15 to 20 years,	2	4	6	4	3	7	–	–	–	–	–	–
20 to 25 years,	8	10	18	9	13	22	1	2	3	1	1	2
25 to 30 years,	9	15	24	12	23	35	–	4	4	1	2	3
30 to 35 years,	11	12	23	17	15	32	4	3	7	5	6	11
35 to 40 years,	10	21	31	9	22	31	3	4	7	3	3	6
40 to 50 years,	23	27	50	24	32	56	11	2	13	11	5	16
50 to 60 years,	14	15	29	24	22	46	10	4	14	13	8	21
60 to 70 years,	12	15	27	18	13	31	10	7	17	9	5	14
70 to 80 years,	14	7	21	21	12	33	8	6	14	16	10	26
Over 80 years,	2	3	5	3	4	7	3	–	3	3	3	6
Totals,	110	138	248	142	159	301	52	34	86	62	43	105
Unknown,	32	21	53	–	–	–	10	9	19	–	–	–
Totals,	142	159	301	142	159	301	62	43	105	62	43	105
Mean known ages (in years),	45.99	41.87	43.07	47.85	44.13	45.88	53.23	47.18	50.95	56.81	54.46	55.85

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	22	10	32	–	–	–	3	–	3	22	10	32
Apoplexy,	3	2	5	–	–	–	–	–	–	1	–	1
Arterio sclerosis,	9	6	15	2	–	2	2	–	2	3	1	4
Congenital,	5	8	13	–	–	–	–	–	–	–	–	–
Deprivation,	–	1	1	–	–	–	–	–	–	–	–	–
Dissipation,	4	–	4	–	–	–	–	–	–	–	–	–
Drug habit,	–	1	1	–	–	–	–	–	–	–	–	–
Epilepsy,	2	1	3	–	–	–	–	–	–	1	–	1
Ill health,	4	18	22	–	3	3	–	2	2	1	1	2
Menopause,	–	1	1	–	–	–	–	–	–	–	–	–
Overwork,	8	5	13	–	–	–	2	1	3	2	–	2
Physical disease,	1	4	5	–	2	2	–	–	–	–	–	–
Puerperium and lactation,	–	6	6	–	1	1	–	–	–	–	–	–
Senility,	28	16	44	–	–	–	–	–	–	–	1	1
Specific,	4	–	4	–	–	–	–	–	–	–	–	–
Sunstroke,	1	–	1	–	–	–	–	–	–	–	–	–

Syphilis,	6	–	6	–	–	–	–	–	–	1	.	1
Traumatism,	8	4	12	1	–	1	–	2	2	2	–	2
Mental —												
Disappointment,	–	4	4	–	2	2	–	1	1	–	–	–
Grief,	1	8	9	1	–	1	–	–	–	–	–	–
Heredity,	2	9	11	5	9	14	–	–	–	–	1	1
Organic nervous disease,	3	–	3	1	–	1	1	–	1	–	–	–
Overstudy,	1	2	3	–	1	1	–	–	–	–	–	–
Worry,	12	13	25	–	5	5	2	3	5	2	1	3
Worry and ill health,	3	8	11	–	1	1	–	–	–	–	–	–
Totals,	127	127	254	10	24	34	10	9	19	35	15	50
Unknown,	15	32	47	–	–	–	1	7	8	–	–	–
Totals,	142	159	301	10	24	34	11	16	27	35	15	50

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	5	9	14
Under 1 month,	20	29	49
From 1 to 3 months,	24	27	51
3 to 6 months,	11	18	29
6 to 12 months,	15	17	32
1 to 2 years,	15	15	30
2 to 5 years,	16	18	34
5 to 10 years,	3	3	6
10 to 20 years,	1	1	2
Over 20 years,	–	–	–
Totals,	110	137	247
Unknown,	32	22	54
Totals,	142	159	301
Average known duration (in years),	1.85	3.00	2.48

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity, acute,	12	7	19	19	4	23	1	1	2	-	1	1	-	-	-	1	1	2	21	7	28
Alcoholic insanity, chronic,	9	3	12	-	-	-	4	1	5	-	-	-	1	-	1	4	-	4	9	1	10
Dementia, organic,	16	6	22	-	-	-	-	-	-	1	-	1	2	-	2	8	2	10	11	2	13
Dementia præcox,	20	42	62	3	8	11	3	4	7	2	10	12	4	6	10	1	4	5	13	32	45
Dementia, senile,	31	22	53	-	-	-	-	1	1	2	2	4	2	3	5	19	13	32	23	19	42
Dementia, terminal,	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	2	2
Epileptic insanity,	6	2	8	-	-	-	-	1	1	-	-	-	1	-	1	1	-	1	2	1	3
Exhaustion psychosis,	1	11	12	-	5	5	-	-	-	-	-	-	-	-	-	2	1	3	2	6	8
General paresis,	18	5	23	-	-	-	-	-	-	1	1	2	-	1	1	12	2	14	13	4	17
Huntingdon's chorea,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hysterical insanity,	-	3	3	1	1	2	-	-	-	1	2	3	1	-	1	-	-	-	3	3	6
Imbecility,	5	9	14	-	-	-	-	-	-	-	-	-	1	2	3	1	3	4	2	5	7
Infection psychosis,	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involution melancholia,	6	13	19	2	3	5	-	-	-	1	4	5	2	2	4	1	-	1	6	9	15
Manic-depressive,	11	23	34	6	15	21	1	1	2	-	2	2	-	-	-	1	-	1	8	18	26
Myxœdematous insanity,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Paranoia,	2	7	9	-	-	-	1	2	3	-	4	4	-	1	1	-	3	3	1	10	11
Syphilitic insanity,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic insanity, acute,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Traumatic insanity,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undiagnosed,	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total A,	142	159	301	31	37	68	10	11	21	8	27	35	14	16	30	51	30	81	114	121	235

10. — Form of Mental Disease in Patients committed or discharged, etc. — Concluded.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —																					
Alcoholic insanity, acute,	2	1	3	1	–	1	–	1	1	–	–	–	–	–	–	–	–	–	1	1	2
Alcoholic insanity, chronic,	4	3	7	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	2	–	2
Dementia, organic,	2	1	3	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Dementia præcox,	6	26	32	1	2	3	–	1	1	–	3	3	1	4	5	2	–	2	4	10	14
Dementia, senile,	–	2	2	–	–	–	–	–	–	1	–	1	1	–	1	1	2	3	3	2	5
Dementia, terminal,	–	1	1	–	–	–	–	–	–	1	1	2	–	–	–	–	2	2	1	3	4
Epileptic insanity,	1	2	3	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Exhaustion psychosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	2	2
General paresis,	2	1	3	–	–	–	–	–	–	–	–	–	–	–	–	2	3	5	2	3	5
Hysterical insanity,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1
Imbecility,	2	2	4	–	–	–	–	–	–	–	–	–	3	1	4	1	–	1	4	1	5
Involution melancholia,	3	2	5	–	–	–	1	–	1	1	1	2	–	1	1	–	1	1	2	3	5
Manic depressive,	8	21	29	3	12	15	–	3	3	–	–	–	1	–	1	1	1	2	5	16	21
Paranoia,	–	6	6	–	–	–	1	–	1	1	3	4	1	3	4	–	3	3	3	9	12
Toxic insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Undiagnosed,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total B,	30	73	103	5	14	19	2	5	7	4	9	13	7	10	17	11	13	24	29	51	80
Aggregate cases,	172	232	404	36	51	87	12	16	28	12	36	48	21	26	47	62	43	105	143	172	315
Aggregate persons,	171	230	401	36	51	87	12	16	28	12	36	48	21	26	47	62	43	105	143	172	315

11. — Discharges of the Insane, classified by Admission and Result, and Deaths.

Number of the Admission.	Recovered.			Capable of Self-support.			Improved.			Not improved.			Died.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	33	45	78	11	15	26	11	32	43	17	23	40	57	39	96	129	154	283
Second to this hospital,	3	3	6	1	1	2	1	1	2	3	3	6	3	3	6	11	11	22
Third to this hospital,	–	2	2	–	–	–	–	3	3	–	–	–	1	1	2	1	6	7
Fourth to this hospital,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fifth to this hospital,	–	1	1	–	–	–	–	–	–	1	–	1	–	–	–	1	1	2
Sixth to this hospital,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Total cases,	36	51	87	12	16	28	12	36	48	21	26	47	62	43	105	143	172	315
Total persons,	36	51	87	12	16	28	12	36	48	21	26	47	62	43	105	143	172	315
First admitted to any hospital,	31	37	68	10	11	21	8	27	35	14	16	30	51	30	81	114	121	235

12. — *Causes of Death, and Form of Mental Disease in Persons who died.*

CAUSES.	Aggregates.			Manic Depressive.			Dementia Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
terminal dementia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
senile dementia,	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	13
general paresis,	10	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholism and cerebral congestion,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Cerebral apoplexy,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Multiple cerebral hemorrhages,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
Pachymeningitis hemorrhagic interna,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Respiratory system: —																					
Gangrene of right lung,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia, broncho,	3	2	5	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	2	-	2
Pneumonia, hypostatic,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pneumonia, lobar,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Phthisis pulmonalis, acute,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis, chronic,	-	4	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis,	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sarcoma of lungs,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Tubercular broncho-pneumonia,	2	-	2	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Circulatory system: —																					
Mitral stenosis and anasarca,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis, acute,	2	-	2	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-
Myocarditis, chronic,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Pernicious anæmia,	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Valvular heart disease,	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	3	-	3
Digestive system: —																					
Carcinoma of intestines,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Intestinal carcinoma, with acute peritonitis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Volvulus and peritonitis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Genito urinary system: —																					
Carcinoma of vulva,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Chronic interstitial nephritis, with ascites,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Chronic interstitial nephritis,	1	1	2	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1
Interstitial nephritis,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2

General: —																					
Asphyxia and drowning,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute cerebral congestion and pulmonary tuberculosis,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Acute myocarditis and hypostatic pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Carcinoma of breast,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic interstitial nephritis and endocarditis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic interstitial nephritis and myocarditis,	2	1	3	–	–	–	–	–	–	–	–	–	2	–	2	–	–	–	–	1	1
Chronic interstitial nephritis and pachymeningitis hemorrhagic interna,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Exhaustion following mastoid operation,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General septicemia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hemorrhagic infarction of lungs and acute myocarditis,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Lobar pneumonia and interstitial nephritis,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Lobar pneumonia and myocarditis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis (acute) and endocarditis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Mastoid disease and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Parenchymatous nephritis and valvular heart disease,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Phthisis pulmonalis and tubercular peritonitis,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pseudo parencephaly of frontal lobes and basal ganglia from multiple hemorrhages,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Septicemia and valvular heart disease,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Suicide by strangulation,	1	1	2	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Tubercular pneumonia and myocarditis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	62	43	105	2	1	3	3	4	7	1	1	2	6	–	6	9	2	11	20	15	35

12. — Causes of Death, and Form of Mental Disease in Persons who Died — Concluded.

CAUSES.	Terminal Dementia.			General Paresis.			Exhaustion Psychosis.			Imbecility.			Involution Melancholia.			Paranoia.			Epileptic Insanity.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Exhaustion of organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
terminal dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
senile dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
general paresis,	–	–	–	10	4	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Alcoholism and cerebral congestion,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Multiple cerebral hemorrhages,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pachymeningitis hemorrhagic interna,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																					
Gangrene of right lung,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, broncho,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, hypostatic,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, lobar,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Phthisis pulmonalis, acute,	–	1	1	–	–	–	1	–	1	–	1	1	–	–	–	–	–	–	–	–	–
Phthisis pulmonalis, chronic,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Pulmonary tuberculosis,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Sarcoma of lungs,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tubercular broncho-pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																					
Mitral stenosis and anasarca,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Myocarditis, acute,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pernicious anæmia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Valvular heart disease,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Digestive system: —																					
Carcinoma of intestines,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Intestinal carcinoma, with acute peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Volvulus and peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Genito-urinary system: —																					
Carcinoma of vulva,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic interstitial nephritis, with ascites,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic interstitial nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Interstitial nephritis,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

General: —																					
Asphyxia and drowning,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Acute cerebral congestion and pulmonary tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute myocarditis and hypostatic pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of breast,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis and endocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Chronic interstitial nephritis and myocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis and pachymeningitis hemorrhagic interna,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exhaustion following mastoid operation,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
General tuberculosis,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
General septicemia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Hemorrhagic infarction of lungs and acute myocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia and interstitial nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia and myocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis (acute) and endocarditis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mastoid disease and lobar pneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parenchymatous nephritis and valvular heart disease,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis pulmonalis and tubercular peritonitis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Pseudo-parencephaly of frontal lobes and basal ganglia from multiple hemorrhages,	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Septicemia and valvular heart disease,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Suicide by strangulation,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Tubercular pneumonia and myocarditis,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	-	3	3	14	5	19	2	2	4	2	3	5	1	1	2	-	6	6	2	-	2

13. — Duration of Mental Disease and its Treatment in Patients recovered and died.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental diseases.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered : —															
Under 1 month,	7	16	23	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	12	8	20	8	5	13	4	–	4	–	–	–	–	–	–
3 to 6 months,	3	3	6	13	19	32	8	14	22	1	5	6	2	7	9
6 to 12 months,	2	1	3	5	8	13	8	10	18	2	4	6	1	4	5
1 to 2 years,	1	3	4	4	4	8	4	5	9	–	3	3	1	1	2
2 to 5 years,	2	1	3	–	1	1	2	2	4	2	2	4	1	2	3
5 to 10 years,	–	–	–	1	–	1	1	1	2	–	–	–	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	27	32	59	31	37	68	27	32	59	5	14	19	5	14	19
Unknown,	4	5	9	–	–	–	4	5	9	–	–	–	–	–	–
Totals,	31	37	68	31	37	68	31	37	68	5	14	19	5	14	19
Average of known cases (in months),	4.22	4.12	4.19	7.71	6.78	7.20	12.29	11.34	11.79	14.80	12.43	13.05	13.00	9.43	10.37

B. — Died: —															
Congenital,	1	3	4	–	–	–	–	–	–	1	–	1	–	–	–
Under 1 month,	6	5	11	11	4	15	–	1	1	–	–	–	–	–	–
From 1 to 3 months,	8	2	10	16	4	20	5	3	8	–	–	–	–	–	–
3 to 6 months,	6	1	7	7	2	9	7	1	8	–	–	–	–	–	–
6 to 12 months,	9	2	11	9	7	16	8	3	11	1	–	1	1	1	2
1 to 2 years,	4	4	8	2	5	7	9	2	11	–	3	3	4	3	7
2 to 5 years,	8	6	14	4	3	7	10	4	14	3	3	6	3	4	7
5 to 10 years,	–	1	1	1	4	5	1	7	8	4	3	7	2	2	4
10 to 20 years,	–	1	1	1	1	2	1	2	3	2	3	5	1	3	4
Over 20 years,	–	–	–	–	–	–	1	2	3	–	1	1	–	–	–
Totals,	42	25	67	51	30	81	42	25	67	11	13	24	11	13	24
Unknown,	9	5	14	–	–	–	9	5	14	–	–	–	–	–	–
Totals,	51	30	81	51	30	81	51	30	81	11	13	24	11	13	24
Average of known cases (in months),	14.80	65.16	33.46	12.04	22.57	15.94	28.59	87.76	50.67	94.00	120.46	108.33	44.82	79.31	63.50

LIST OF PERSONS

Employed at the Westborough Insane Hospital, Nov. 30, 1908.

	Salaries per Year.
Superintendent and physician,	$3,000 00
Assistant superintendent and physician,	2,000 00
Assistant physicians (two), each,	1,000 00
Assistant physician,	800 00
Assistant physician,	700 00
Assistant physician,	600 00
Pathologist,	1,500 00
Steward,	1,200 00
Treasurer,	525 00
Clerk,	800 00
Engineer,	1,200 00
Farmer,	1,000 00

	Wages per Month.
Assistant clerk,	$25 00
Secretary to superintendent,	35 00
Record clerk,	40 00
Pharmacist,	25 00
Supervisor (female),	75 00
Supervisor (male),	60 00
Assistant supervisors (female, four), each,	35 00
Assistant supervisor (female),	30 00
Assistant supervisor (male),	40 00
Matron of nurses' home,	30 00
Head seamstress,	32 00
Seamstresses (six),	$12 00 to 23 00
Attendants (fifty-two),	25 00 to 40 00
Nurses (eighty-eight),	18 00 to 25 00
Night watch (male),	37 00
Night watch (female),	30 00
Baker,	80 00
Assistant steward,	60 00
Meat cutter,	46 00
Office girls (three),	$18 00 and 20 00
Hall boy,	14 00
Housekeeper,	25 00
Chef,	66 00
Cook, administration,	25 00

	Wages per Month.
Cook, Talbot,	$30 00
Cook, Stanley house,	25 00
Cook, superintendent's house,	25 00
Cook, Warren house,	26 00
Cook, Speare cottage,	25 00
Cook, Richmond cottage,	30 00
Cook, farmhouse,	25 00
Cook, Heath farm,	25 00
Cook, order,	20 00
Head laundress,	52 00
Richmond laundress,	32 00
Laundry men (three),	$25 00 to 34 00
Laundry girls (seven),	22 00 to 24 00
Kitchen men (three),	18 00 to 25 00
Kitchen girls (five),	18 00 and 19 00
Basement man,	25 00
Basement boys (three), each,	18 00
Scullery man,	20 00
Waitresses (seven),	$16 00 to 19 00
Chambermaids (two),	18 00 and 25 00
Carpenter,	100 00
Assistant engineer,	80 00
Farm foreman,	36 00
Farm watchman,	27 00
Farm teamsters (seven),	$26 00 to 33 00
Farm laborers (seven),	25 00 and 27 00
Choremen (two), each,	25 00
Piggeryman,	27 00
Barnmen (two), each,	27 00
Gardener,	65 00
Assistant gardener,	25 00
Lawn men (three),	$23 00 and 25 00
Coachman,	37 00
Expressman,	23 00

	Wages per Day.
Carpenters (six), each,	$2 75
Painter,	3 00
Mason,	3 50
Mason on roads and walks,	2 36
Assistant engineers (four), each,	2 30
Engineer's assistant,	1 54
Plumber,	3 57
Assistant plumber,	1 92
Firemen (four), each,	1 92
Firemen (nine), each,	1 54
Blacksmith,	2 35

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the Year ending Nov. 30, 1908.

849 aprons, white.	41 canvas straps.
213 aprons, waiters.	6 canvas mattresses.
149 aprons, colored.	1 canvas bat case.
99 aprons, ticking.	4 cotton rings.
2 aprons, canvas.	3 caps.
84 aprons, bagging.	142 coats, waiters.
10 bags, tea and coffee.	36 coats, overcoats repaired.
335 bags, laundry.	50 coats, sleeves shortened.
74 bags, individual.	151 curtains.
30 bags, canton flannel.	55 curtains, hemmed.
1 bag, pastry.	19 curtains, drapery.
100 bed spreads repaired.	98 curtains, ticking.
12 bed socks.	10 curtains, dark.
192 bed pads.	226 curtains, sash.
23 bandages, surgical.	51 curtains, screen.
12 bread cloths.	7 curtains, bookcase.
326 blankets bound and tagged.	5 curtains, wardrobe.
10 canvas bed sheets with jackets.	5 chair cushions.
55 canvas bed sheets repaired.	335 chemises.
4 canvas bath tub covers.	10 dresses, cotton.
6 canvas bath tub covers repaired.	2 dresses, wool.
10 canvas camisoles.	60 dresses, strong.
23 canvas camisoles repaired.	268 dresses, strong, repaired.
19 canvas muffs repaired.	7 dress waists made.
12 canvas anklets.	2 dress waists altered.
22 canvas anklets repaired.	4 dress skirts made.
4 canvas sleeveless jackets.	1 dress skirt altered.
42 canvas sleeveless jackets repaired.	265 pairs drawers.

72 dusters.
3 doilies.
48 jumpers tagged.
14 kimonas.
135 linen table cloths.
20 linen table cloths, colored.
1,248 linen napkins hemmed.
319 linen shams.
248 linen scarfs.
220 night dresses, bleached.
824 night dresses, unbleached.
75 night dresses, short.
816 napkins, sanitary.
186 overalls tagged.
1,221 pillow slips, bleached.
116 pillow slips, Talbot.
1,895 pillow slips, unbleached.
1 piano cover.
4 pneumonia jackets.
3 dozen restraint lacings.
1 restraint collar.
6 surgical gowns.
7 surgical sheets.
6 silence cloths.
525 socks tagged.
16 sofa pillow covers.
27 9/4 sheets, bleached.
1,386 7/4 sheets, bleached.
2,768 7/4 sheets, unbleached.
636 shirts outing.
54 shirts, night, bleached.
252 shirts, night, unbleached.
138 shirts, night, short.
42 skirts, long.
2 skirts, short.
129 ticks, pillow.
169 ticks, mattress.
50 pairs trousers shortened.
79 pairs trousers repaired.
176 towels, roller, long.
4,309 towels, roller, short.
1,041 towels, glass.
1,347 towels, dish.
90 towels, huck.
156 rugs bound and repaired.
4 wrappers.
58 hours on flags repaired.

PRODUCTS OF THE FARM

Dec. 1, 1907, to Nov. 30, 1908.

Apples, 382⅚ barrels,	$848 50
Asparagus, 50 boxes,	212 50
Beans, string, green, 129¼ bushels,	90 47
Beans, string, wax, 47¾ bushels,	47 75
Beans, lima, 6¾ bushels,	3 38
Beans, shelled, 79½ bushels,	99 38
Beef, 1,467 pounds,	101 22
Beet greens, 123½ bushels,	43 23
Beets, 806¾ bushels,	403 39
Blackberries, 188 quarts,	18 80
Cabbage, 12,087 heads,	603 35
Carrots, 462½ bushels,	277 50
Cauliflower, 5⅖ boxes,	5 40
Celery, 241¼ boxes,	205 06
Chard, 505¼ bushels,	176 85
Chicken, 396½ pounds,	87 23
Corn, 1,289¼ bushels,	966 92
Cress, 21 bushels,	10 50
Cucumbers, 272¾ bushels,	436 40
Currants, 25 quarts,	2 75
Duck, 6 pounds,	90
Eggs, 1,965½ dozen,	687 93
Endive, 8¼ dozen,	2 07
Fowl, 200 pounds,	30 00
Ice, 704 tons,	2,112 00
Kale, 125½ bushels,	37 65
Kohlrabi, 9¾ bushels,	4 88
Leek, 57 bushels,	19 95
Lettuce, 180⅝ boxes,	135 67
Mangel-wurzel, 16¾ bushels,	5 86
Milk, 373,125½ quarts,	18,656 29
Okra, 4 quarts,	1 00
Onions, 249⅞ bushels,	212 41
Parsley, 7 bunches,	35
Parsnips, 328¾ bushels,	246 58
Pears, 121½ bushels,	212 63
Peas, 79 bushels,	79 00
Amount carried forward,	$27,085 75

Amount brought forward,	$27,085 75
Pork, 42,437 pounds,	3,394 96
Potatoes, 717 bushels,	573 60
Radishes, 181⅚ dozen,	72 74
Rhubarb, 6,494 pounds,	129 88
Salsify, 49¾ bushels,	24 88
Spinach, 675¼ bushels,	270 10
Squash, winter, 498¾ barrels,	748 13
Squash, summer, 48⅗ barrels,	48 61
Tomatoes, ripe, 514¾ bushels,	386 07
Tomatoes, green, 161 bushels,	80 50
Turnips, 337 bushels,	421 25
Veal, 554 pounds,	60 94
English hay, 177 tons,	3,186 00
Meadow hay, 20 tons,	160 00
Rye straw, 4 tons,	60 00
Ensilage, 850 tons,	4,250 00
Green feed, 147 tons,	735 00
Wood, 12 cords,	54 00
Small potatoes, 31 bushels,	7 75
Manure, 375 cords,	2,250 00
	$44,000 16

Products on Hand Nov. 30, 1908.

Apples, 125 barrels,	$375 00
Beets, 580 bushels,	290 00
Brussels sprouts, 25 quarts,	2 75
Cabbage, 8,100 heads,	405 00
Carrots, 350 bushels,	210 00
Celery, 200 dozen,	170 00
English hay, 137 tons,	2,466 00
Meadow hay, 12 tons,	216 00
Rye straw, 3 tons,	33 75
Ice, 150 tons,	450 00
Leek, 30 bushels,	10 50
Onions, 130 bushels,	110 50
Parsnips, 265 bushels,	198 75
Potatoes, 75 bushels,	60 00
Salsify, 45 bushels,	22 50
Squash, winter, 370 barrels,	555 00
Turnips, 282 barrels,	352 50
Wood, 40 cords,	180 00
Ensilage, 750 tons,	3,750 00
Corn stover, 25 tons,	125 00
Oat straw, 10 tons,	112 50
	$10,095 75

SUMMARY OF THE FARM ACCOUNT.

Dr.

Apple trees,	$40 00
Bedding for cattle,	781 19
Blacksmith's supplies,	260 53
Boar,	10 00
Board of farmers,	4,819 57
Bull calves,	175 00
Carpenter's labor,	158 62
Engineer's labor,	184 69
Fertilizers,	768 27
Harness,	59 25
Harvesting supplies,	48 11
Hay and grain,	12,700 27
House rent,	144 00
Ice machinery repairs,	67 35
Inspecting trees,	10 00
Ox yoke,	8 75
Registering cattle,	10 00
Roofing,	248 25
Seeds, etc.,	283 35
Sundries,	70 74
Swill,	549 00
Veterinary,	7 50
Wages and board of attendant,	594 00
Wages of farmers,	8,435 75
Wagon hubs,	58 80
Wagons and tools,	248 50
	$30,741 49
Profit of the farm to balance,	10,305 66
	$41,047 15

Cr.

Apples, 337 11/12 barrels,	$1,013 75
Asparagus, 50 boxes,	212 50
Beans, green string, 129¼ bushels,	90 47
Amount carried forward,	$1,316 72

Amount brought forward,	$1,316 72
Beans, wax string, 47¾ bushels,	47 75
Beans, lima, 6¾ bushels,	3 38
Beans, shelled, 79½ bushels,	99 38
Beef, 1,467 pounds,	101 22
Beet greens, 123½ bushels,	43 23
Beets, 413¼ bushels,	206 64
Blackberries, 188 quarts,	18 80
Brussels sprouts, 16 quarts,	1 76
Cabbage, 8,428 heads,	421 40
Carrots, 319½ bushels,	191 70
Cauliflower, 4⅔ boxes,	5 40
Celery, 94¼ boxes,	80 12
Chard, 505¼ bushels,	176 85
Chicken, 396½ pounds,	87 23
Corn, green, 1,289¼ bushels,	966 92
Cress, 21 bushels,	10 50
Cucumbers, 272¾ bushels,	436 40
Currants, 25 quarts,	2 75
Duck, 6 pounds,	90
Eggs, 1,965½ dozen,	687 93
Endive, 8¼ dozen,	2 07
Fowl, 200 pounds,	30 00
Ice, 554¼ tons,	1,662 75
Kale, 125½ bushels,	37 65
Kohlrabi, 9¾ bushels,	4 88
Leek, 49 bushels,	17 15
Lettuce, 542⅔ bushels,	135 67
Mangel-wurzel, 16¾ bushels,	5 86
Milk, 373,125½ quarts,	18,656 29
Okra, 4 quarts,	1 00
Onions, 334⅛ bushels,	284 00
Parsley, 7 bunches,	35
Parsnips, 268⅛ bushels,	201 09
Pears, 121½ bushels,	212 63
Peas, 79 bushels,	79 00
Pork, 42,437 pounds,	3,394 96
Potatoes, 696 bushels,	556 80
Radishes, 181⅚ dozen,	72 74
Rhubarb, 6,494 pounds,	129 88
Salsify, 7¼ bushels,	3 63
Spinach, 675¼ bushels,	270 10
Squash, winter, 183 $^{79}/_{100}$ barrels,	275 55
Squash, summer, 48 $^{69}/_{100}$ barrels,	48 61
Amount carried forward,	$30,989 64

Amount brought forward,	$30,989 64
Tomatoes, ripe, 514¾ bushels,	386 07
Tomatoes, green, 161 bushels,	80 50
Turnips, 198¼ bushels,	247 81
Veal, 554 pounds,	60 94
Wood, 9½ cords,	42 75
Bran, 400 pounds,	5 87
Brush,	2 00
Corn,	6 82
Grease, 5,355 pounds,	107 10
Hay, 12 23/100 tons,	198 08
Labor, men, 1,793 days,	3,137 75
Labor, teams, 1,578 days,	4,339 50
Linseed, 100 pounds,	1 65
Manure, 17 tons,	102 00
Oats, 1,032 bushels,	677 35
Shoeing, repairing, etc.,	378 31
Straw, 4,516 pounds,	38 23
Sales: —	
Calves,	222 00
Hides,	16 78
Pigs,	2 00
Shoeing,	4 00
	$41,047 15

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Public Document No. 30

TWENTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WESTBOROUGH STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1909.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1910.

Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Codman Building.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Laundry.
Richmond Colony.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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STATE HOUSE, BOSTON
Mass. Officials

Approved by
The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman*,	NORTHBOROUGH.
ELIZA C. DURFEE, *Secretary*,	FALL RIVER.
SARAH B. WILLIAMS,	TAUNTON.
LEWIS R. SPEARE,	BOSTON.
WILLIAM AVERY CARY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.
JOHN M. MERRIAM,	SOUTH FRAMINGHAM.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	2,000
WILLIAM W. COLES, M.D., *Assistant Physician*,	1,200
M. M. JORDAN, M.D., *Assistant Physician*,	1,200
C. C. BURLINGAME, M.D., *Assistant Physician*,	800
ESTHER S. BARNARD, M.D., *Assistant Physician*,	800
CHESTER A. WASHBURN, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,800
MELVILLE L. STACY, *Steward*,	1,200

TREASURER.

	Per Annum.
I. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

The Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough State Hospital submit this, their twenty-fifth annual report.

The general work of the hospital for the past year has been satisfactorily done, and in the main has been uneventful. The movement of population, the increase of tuberculous commitments, the use of the vaccine in case of septic infection, and other details of the routine management of the hospital, will be found in the report of the superintendent, appended hereto.

The Board feel very much gratified and relieved to realize that, for the first time since its establishment, the hospital has a supply of water, pure in quality and sufficient in quantity. It is especially fortunate that this new supply has been available for the past month, as, owing to the lack of rain during the past season, the supply of the town of Westborough, from which the hospital has been partially supplied for this year, would have been no longer available. The work of laying a pipe from the pumping station to connect with the Metropolitan system proved a work of unforeseen and unusual difficulty. After the work had been given up by three different contractors, it was put in charge of the hospital engineer, Mr. VanValkenburg, and under his management was finally completed. The expense has been considerably in excess of the original appropriation, but as each contract was secured by a surety company bond the Board feel that the interests of the Commonwealth have been satisfactorily protected. A proper settlement of the bonds should reimburse the State for any excess over and above the original appropriation. The adjustment of the settlements with the surety companies is at present in the hands of the Attorney-General.

The new building for the acute insane, for which an appropriation was granted last year, is progressing very satisfactorily and should be ready for occupancy by early spring. This is a great improvement over past experiences. The completion of this building early in the year is due to the fact that the request for the appropriation was acted on comparatively early in the legislative session, whereby the trustees were able to negotiate provisional contracts and do much preliminary work, so that when the appropriation was finally made, the actual work of construction could be begun at once, the building covered in by the time severe weather set in, and the inside finish completed during the winter months.

Heretofore it has been the rule rather than the exception that action on requests for appropriations for new construction has been delayed until very late in the legislative session, with the result that it became impracticable to do more than put in foundation that season, and the real construction would be postponed till the following year. This has the effect of prolonging a crowded condition of the hospital beyond what seems really necessary. The result of the early consideration of appropriations for new construction by the legislative committees last winter has been so practically satisfactory in our present experience that it is hardly unwise to hope that similar early consideration may become a habit with them in the future.

The present report marks a quarter century of life for this institution, during which time its population has increased from 0 to 1,012. Primarily not a new institution, but an adaptation of an old plant to new purposes, its development from year to year has been such as to meet imperative needs, until further development along this narrow line, with the central administrative plant as now situated, is no longer advisable or economical.

If the policy of the Commonwealth is to make fifteen hundred or two thousand the unit for our insane hospitals, then any further development of this plant should be made with this end in view. The natural topography of the land now owned by the State for the use of the hospital is admirably adapted for future development on a comprehensive scale. To the north of the hill on which the main hospital is now placed is a hill somewhat

higher, already owned by the hospital, and through the valley between runs the highway. Upon this hill the trustees believe it advisable to begin the erection of buildings for a new colony system and a tubercular hospital, for the use of the chronic insane women and female tubercular patients, utilizing the present Richmond colony, now occupied by women, for men, and we respectfully ask an appropriation for this purpose; and for the establishment of a sewage well and pump of sufficient size and power to accommodate not only the present proposed but also future construction on this hill.

As a corollary to this proposition it is evident that at no distant date it will be wise to establish a new heat and power plant in the valley between these hills, sufficient to take care of both plants. The present power plant, on account of its location, has reached the ultimate limit of its development, but in the establishment of a new plant much of it could be moved to the new location and utilized. We spoke in our last annual report of the expensive way in which our coal supply is at present handled; with the establishment of a new power plant, as above indicated, it would be economically practicable to put in a spur track from Talbot station, as it would cross no streets, and, with the exception of a small distance, be entirely on hospital land.

While the plans of the trustees for such a radical change are not yet sufficiently matured to warrant asking for an appropriation, they feel that such a change, in the near future, will result in an increase of economy in the future maintenance of the hospital.

The following is a list of the appropriations requested: —

For erecting and furnishing a colony building for 100 women patients the sum of	$57,000
For erecting and furnishing a tubercular building to accommodate 40 patients, ...	6,000
For necessary sewage disposal of above, ...	4,000

The research work done in the pathological laboratory has been of such a nature that it has been deemed best by the Board to furnish the pathologist with an assistant to do the routine work, thus giving the head of the laboratory more time for re-

search work. This we believe meets with the approval of the State pathologist.

There has been no material changes in the personnel of the staff during the past year. The Board feel that the staff has done conscientious and painstaking work during the past year, and take pleasure in recording their appreciation of the same.

The following is a list of the past trustees of the institution: —

NAME.	Residence.	When appointed.	Service ended.	For what Cause.
Charles R. Codman,	Cotuit,	1884	1898	Resigned.
Henry S. Russell,	Milton,	1884	1887	Resigned.
Lucius G. Pratt,	West Newton,	1884	1886	Resigned.
Francis A. Dewson,	Newtonville,	1884	1895	Resigned.
Archibald H. Grimke,	Boston,	1884	1894	Resigned.
Phebe J. Leonard,	Bridgewater,	1884	1886	Resigned.
Emily Talbot,	Boston,	1884	1899	Deceased.
George B. Richmond,	New Bedford,	1886	1903	Deceased.
Anna M. Day,	Norwood,	1886	1888	Resigned.
Frank B. Goulding,	Worcester,	1888	1892	Resigned.
Martin Greene,	Worcester,	1892	1893	Resigned.
Benjamin W. Childs,	Worcester,	1894	1907	Resigned.
Alden Speare,	Newton,	1894	1902	Deceased.
George H. Quincy,	Boston,	1895	1895	Deceased.
John M. Merriam,	South Framingham,	1895	1906	Resigned.
Edward H. Haskell,	Newton,	1898	1900	Resigned.
Charlotte E. W. Buffington,	Worcester,	1901	1901	Resigned.
Edward Hamlin,	Boston,	1902	1906	Resigned.

Respectfully submitted,

JOHN L. COFFIN, *Chairman.*
ELIZA C. DURFEE, *Secretary.*
SARAH B. WILLIAMS.
GEORGE B. DEWSON.
WM. AVERY CARY.
LEWIS R. SPEARE.
JOHN M. MERRIAM.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough State Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Nov. 30, 1909.

The following table shows the movement of population the past year: —

	Males.	Females.	Totals.
Patients in the hospital Dec. 1, 1908,	335	581	916
Admissions within the year,	285	441	726
Whole number of cases within the year,	620	1,022	1,642
Dismissed within the year,	238	392	630
Viz.: to friends,	108	167	275
on visit,	58	112	170
died,	57	39	96
transferred,	11	74	85
escaped,	4	–	4
Patients remaining Nov. 30, 1909,	382	630	1,012
Daily average of patients,	367.82	603.79	971.61

Of those admitted, 447 were commitments of the insane, 19 of inebriates, 36 transfers of the State Board of Insanity, 67 were voluntary, 155 were returned from visit and 2 from escape.

The total admissions for the year have been a hundred more than in the previous year, and the women's wards, especially, are overcrowded.

While the general health of the inmates has been good there have been quite a number in whom, upon admission, the beginning of tuberculosis was found, and as our sanatoria for the segregation of the tubercular insane will not care for all needing treatment, it is desirable that more provision should be made for these cases.

Of those dismissed, 275 went to their homes and friends, 85

were removed by the State Board of Insanity and 4 escaped. There were 95 deaths and 170 absent on visit. Special attention has been given to discharging all cases who could be cared for at home without being a menace to the community, and the recommending of suitable cases for boarding out, but in spite of this our daily average has been 971.61.

In the treatment of cases of septic infection, abscesses, furuncles, carbuncles and erysipelas, the opsonic vaccines have been used with marked benefit. Dr. C. C. Burlingame, of the staff, has made, in the hospital laboratory, both stock and autogenous vaccines, as the case required.

The concrete coal shed has been completed. The nurses' cottage was practically completed and occupied last spring, as was also the cottage for the farmer. With the occupation of this cottage by the head farmer, his quarters in the farmhouse were renovated, and now care for twelve farm and engineer's employees. The cottage for married employees was completed so that early in the summer it was occupied. Some changes were later made in it, but it is now nearly finished, and its occupation has furthered the contentment of our married employees, who are giving us satisfactory service.

Last spring the Fuller Construction Company gave notice that they would not be able to complete their contract for laying 12-inch pipe. Under the supervision of our engineer, Mr. J. J. VanValkenburg, the 2,000 feet of 12-inch pipe remaining were laid, without contract, and the entire installation has been completed, so that water from the Metropolitan system has been in use since the seventh day of November. The entire hospital, for the first time in twenty-three years, now has an abundant supply of excellent water.

The erection of a building for 60 acute cases was begun during the summer, and construction has been carried on continuously up to the present time. The roof has been slated and the work of finishing will be carried on during the winter months, and we hope to have it occupied some time during the spring.

The addition to the morgue has not yet been completed but will be in a month, within the appropriation for the same.

During the past summer the foundation timbers of the main barn, which was erected sixty years ago, were all removed and

replaced with new sills, floor timbers, posts and new floorings throughout, and we believe the barn will not again need extensive repairs for many years.

The hospital should now plan for future growth and development of the institution. Economical extension at the location of the central hospital buildings is not possible, all suitable situations being too low to be heated from the central heating plant, and the installation of heaters in each building is now, under the eight-hour law for firemen, very expensive.

Upon Heath hill, a portion of the Heath farm purchased by the hospital three years ago, and with an elevation 40 feet higher than that of the main buildings and about 1,500 feet east of them, there is ample room for the erection of buildings to care for 1,000 persons. This hill has been surveyed and roads located with reference to such extension. I recommend that an appropriation be asked to erect buildings on Heath hill of the colony type, to care for 100 women; also, within convenient distance, a sanatorium to care for 40 tubercular cases; one heating plant and one kitchen could serve for both.

I also recommend that in connection with this construction we ask for an appropriation to build at the foot of the hill a sewage reservoir of sufficient capacity to care for all future construction on this location, with pipe line to connect with the present system.

The hospital received $10 as an Easter gift to the patients from Mrs. Lewis Day. We also received three barrels of magazines and newspapers from the Hospital Newspaper Society; 1 box of magazines from the Boston Nurses' Club; 4 packages pamphlets, magazines, etc., from Mr. Richard Daniels of Westborough, and 20 bound volumes of "Harper's Magazine" from Mr. E. C. Gleason of Westborough. Miss Etta Marshall sent us popcorn and papers.

On the 19th of March, 1909, the Young People's Society connected with the Universalist Church of South Framingham entertained the patients with a play, "The Country Minister." On May 25, 1909, the Round Table of Westborough also gave a play, "Romantic Mary." Members of the Unity Club of Westborough gave a minstrel show at the hospital on June 9, 1909. On June 11, 1909, the Ladies' Auxiliary of the A. O. H. came

to the hospital and gave the play "Rebecca's Triumph." Members of the choir of the Congregational Church at Westborough came to the hospital on several occasions when their clergymen conducted the chapel service and gave very appropriate music, especially at Christmas and Easter.

Rev. David Sprague, former minister in charge at St. Stephen's Church at Westborough, has given much time and attention to the spiritual welfare of the patients, coming to the hospital one or two days each week. His counsel was at all times for the betterment of our patients.

Dr. Ruth B. Coles resigned from the staff the first of last July. Dr. Alberta S. Guibord, formerly an assistant physician here, was appointed to fill the vacancy.

It seemed best that the tubercular cases, especially, should have the daily service of a physician, and Dr. W. W. Coles assumed charge of the two colonies and the sanatorium connected with each in July, 1909. Dr. C. C. Burlingame was promoted to the position of senior assistant physician on the male wards, and Dr. Chester A. Washburn, a graduate of Hahnemann Medical College of Chicago, class of 1908, was appointed junior assistant physician on the male side in June, 1909.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

Nov. 30, 1909.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, M.D., *Superintendent, Westborough State Hospital.*

Sir: — A report of the work done in the pathological laboratory for the year ending Nov. 30, 1909, is herewith submitted.

During the year there was published, in conjunction with Dr. Coles, a statistical report and analysis of 109 cases of dementia præcox in men. One paper was presented before the New England Psychiatric Society as a part of a symposium on manic depressive insanity, and one for the Department of Biology at Clark University. In course of preparation are three papers.

Other work carried on in the laboratory has been the preparation of bacterial vaccines for therapeutic purposes by Dr. Burlingame, and an attempt at the serum diagnosis of syphilis, after the method of Noguchi, by myself. Of this last, from the number of cases studied and the mastery of the technique, which is still questionable, it is difficult to form a correct opinion of its value.

Forty autopsies were performed during the year, from which some of the material for the papers now in preparation has been obtained. The laboratory has continued to serve the clinical service, as in previous years. The number of clinical specimens received from the wards of the hospital during the year was 1,237.

With the assistant for the laboratory, which has recently been allowed, it is hoped that much of our material will be utilized to greater advantage.

The hearty co-operation of each member of the hospital staff still continues, and whatever advantage accrues from the laboratory is due largely to this fact.

For your continued support and encouragement from year to year I am deeply grateful.

Respectfully submitted,

SOLOMON C. FULLER, M.D.,
Pathologist.

TREASURER'S REPORT.

To the Trustees of the Westborough State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1909: —

Cash Account.

Receipts.

Institution Receipts.			
Board of inmates: —			
Private,	$55,379 01		
Reimbursements,	11,715 77		
Cities and towns,	888 19		
		$67,982 97	
Salaries, wages and labor: —			
Wages not called for,		41 96	
Sales: —			
Food,	$284 16		
Clothing and materials,	590 39		
Furnishings,	25 17		
Repairs and improvements,	131 12		
Miscellaneous,	431 92		
		1,462 76	
Farm, stable and grounds: —			
Cows and calves,	$253 25		
Hides,	8 00		
Ice,	103 75		
Sundries,	71 50		
		436 50	
Miscellaneous receipts: —			
Interest on bank balances,	$514 87		
Rent,	120 00		
Sundries,	114 75		
		749 62	
		$70,673 81	
Less advanced on new water supply,		2,179 16	
			$68,494 65
Receipts from Treasury of Commonwealth.			
Maintenance appropriations: —			
Balance of 1908,		$21,572 37	
Advance money,		20,000 00	
Approved schedules of 1909,		221,487 94	
			263,060 31
Special appropriations,			42,164 06
Total,			$373,719 02

Payments.

To treasury of Commonwealth, institution receipts,	$70,673 81		
Less advanced on new water supply,	2,179 16		
		$68,494 65	
Maintenance appropriations: —			
Balance November schedule, 1908,		21,572 37	
Eleven months schedules, 1909,		228,987 94	
November advances,		11,027 55	
			$330,082 51
Special appropriations: —			
Approved schedules,		$42,164 06	
November advances,		67 59	
			42,231 65
Balance Nov. 30, 1909: —			
In bank,		$1,104 86	
In office,		300 00	
			1,404 86
Total,			$373,719 02

MAINTENANCE.

Appropriation,	$252,000 00
Expenses (as analyzed below),	249,517 27
Balance reverting to treasury of Commonwealth,	$2,482 73

Analysis of Expenses.

Salaries, wages and labor: —		
General administration,	$35,008 51	
Medical service,	13,346 47	
Ward service (male),	19,637 02	
Ward service (female),	25,925 30	
Repairs and improvements,	6,348 63	
Farm, stable and grounds,	10,590 02	
		$110,855 95
Food: —		
Butter,	$5,302 25	
Butterine,	2,420 30	
Beans,	668 40	
Bread and crackers,	146 38	
Cereals, rice, meal, etc.,	2,033 03	
Cheese,	106 03	
Eggs,	4,526 99	
Flour,	7,992 20	
Fish,	3,272 33	
Fruit (dried and fresh),	2,255 76	
Meats,	17,659 44	
Molasses and syrup,	386 92	
Sugar,	3,152 00	
Tea, coffee, broma and cocoa,	1,803 18	
Vegetables,	2,952 82	
Sundries,	2,166 09	
		56,844 12
Amount carried forward,		$167,700 07

Amount brought forward,		$167,700 07
Clothing and materials: —		
Boots, shoes and rubbers,	$1,401 35	
Clothing,	2,527 27	
Dry goods for clothing and small wares,	1,912 77	
Furnishing goods,	189 02	
Hats and caps,	82 64	
Leather and shoe findings,	35 95	
Sundries,	327 93	
		6,476 93
Furnishings: —		
Beds, bedding, table linen, etc.,	$7,137 59	
Brushes, brooms,	346 04	
Carpets, rugs, etc.,	321 00	
Crockery, glassware, cutlery, etc.,	854 67	
Furniture and upholstery,	259 71	
Kitchen furnishings,	818 36	
Wooden ware, buckets, pails, etc.,	215 62	
Sundries,	415 92	
		10,368 91
Heat, light and power: —		
Coal,	$22,206 24	
Gasolene,	444 52	
Oil,	67 73	
Sundries,	61 82	
		22,780 31
Repairs and improvements: —		
Brick,	$305 42	
Cement, lime and plaster,	980 25	
Doors, sashes, etc.,	1 25	
Electrical work and supplies,	2,146 74	
Hardware,	728 61	
Lumber,	2,011 12	
Machinery, etc.,	1,757 83	
Paints, oil, glass, etc.,	1,015 07	
Plumbing, steam fitting and supplies,	2,318 79	
Roofing and materials,	298 62	
Sundries,	2,205 07	
		13,768 77
Farm, stable and grounds: —		
Blacksmith and supplies,	$320 99	
Carriages, wagons, etc., and repairs,	321 98	
Fertilizers, vines, seeds, etc.,	1,158 08	
Hay, grain, etc.,	10,864 09	
Harnesses and repairs,	80 90	
Horses,	423 50	
Tools, farm machines, etc.,	365 18	
Sundries,	1,555 07	
		15,089 79
Miscellaneous: —		
Books, periodicals, etc.,	$208 50	
Chapel services and entertainments,	635 78	
Freight, expressage and transportation,	324 94	
Funeral expenses,	44 00	
Amounts carried forward,	$1,213 22	$236,184 78

Amounts brought forward,	$1,213 22	$236,184 78
Miscellaneous — *Con.*		
Hose, etc.,	808 95	
Medicines and hospital supplies,	1,770 81	
Medical attendance, nurses, etc. (extra),	460 00	
Manual training supplies,	181 16	
Postage,	599 10	
Printing and printing supplies,	516 67	
Printing annual report,	190 58	
Return of runaways,	120 54	
Soap and laundry supplies,	1,887 41	
Stationery and office supplies,	851 00	
School books and school supplies,	398 45	
Travel and expenses (officials),	603 50	
Telephone and telegraph,	528 45	
Tobacco,	738 16	
Water,	509 07	
Sundries,	1,955 42	
		13,332 49
Total expenses for maintenance,		$249,517 27

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1908,	$13,062 68
Appropriations for fiscal year,	64,600 00
Total,	$77,662 68
Expended during the year (see statement annexed),	42,164 06
Balance Nov. 30, 1909,	$35,498 62

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	$1,404 86	
November cash vouchers (paid from advance money),	11,095 14	
Due from treasury of Commonwealth account November, 1909, schedule,	8,029 33	
		$20,529 33

Liabilities.

Schedule of November bills,	$20,529 33

Special Appropriations.

Object.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Obtaining and installing new water supply,	Acts 1906, Chapter 498,	$35,000 00	–	–	–
Obtaining and installing new water supply,	Acts 1909, Chapter 478,	4,000 00	$8,996 41	$39,000 00	–
New nurses' cottage, and furnishing the same,	Acts 1908, Chapter 116,	8,375 00	2,762 07	8,185 71	$189 29
Cottage for farm superintendent,	Acts 1908, Chapter 116,	2,500 00	1,056 61	2,500 00	–
Silo, ensilage cutter and motor,	Acts 1908, Chapter 116,	1,000 00	183 81	1,000 00	–
New building for married employees, and furnishing same,	Acts 1908, Chapter 116,	4,500 00	1,863 18	3,789 38	710 62
Installation of engine generator and two boilers,	Acts 1908, Chapter 116,	8,500 00	1 95	8,500 00	–
Enlarging boiler house and building new coal shed,	Acts 1908, Chapter 116,	1,800 00	1,298 74	1,800 00	–
Constructing and furnishing building for acute insane,	Acts 1909, Chapter 522,	60,000 00	25,730 13	25,730 13	34,269 87
Enlarging the morgue,	Acts 1909, Chapter 522,	600 00	271 16	271 16	328 84
		$126,275 00	$42,164 06	$90,776 38	$35,498 62

Respectfully submitted,

H. L. DAVENPORT,

Treasurer.

Examined and found correct, as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Dipsomaniacs or Inebriates.			Voluntary, not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1908,	336	549	885	–	9	9	4	13	17	340	571	911
Admitted within the year,	260	376	636	–	23	23	21	20	41	281	419	700
Viz.: by commitment,	200	277	477	–	19	19	9	12	21	209	308	517
court,	180	248	428	–	19	19	–	–	–	180	267	447
voluntary,[1]	20	29	49	–	–	–	9	12	21	29	41	70
by transfer,	8	27	35	–	–	–	–	–	–	8	27	35
from escape,	2	1	3	–	–	–	–	–	–	2	1	3
from visit,	11	15	26	–	2	2	1	–	1	12	17	29
nominally admitted for discharge,	39	56	95	–	2	2	11	8	19	50	66	116
Whole number of cases within the year,	596	925	1,521	–	32	32	25	33	58	621	990	1,611
Dismissed within the year,	221	332	553	–	20	20	24	23	47	245	375	620
Viz.: discharged,	85	137	222	–	7	7	19	14	34	104	158	262
as recovered at time of leaving the hospital,	31	56	87	–	–	–	–	–	–	31	56	87
as capable of self-support,	12	18	30	–	–	–	–	–	–	12	18	30
as improved,	10	30	40	–	–	–	–	–	–	10	30	40
as not improved,	31	33	64	–	–	–	–	–	–	31	33	64
as not insane,	1	–	1	–	7	7	19	14	33	20	21	41
died,	61	34	95	–	–	–	–	2	2	61	36	97
transferred,	10	75	85	–	–	–	–	–	–	10	75	85
escaped,	5	1	6	–	1	1	–	–	–	5	2	7
on visit October 1,	60	85	145	–	12	12	5	7	12	65	104	169

[1] Voluntary at first, afterwards committed: male, 3; female, 2; total, 5.

1. — General Statistics of the Year — Concluded.

	Insane.			Dipsomaniacs or Inebriates.			Voluntary, not Insane.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1909,	375	593	968	–	12	12	1	10	11	376	615	991
Viz.: supported as State patients,	282	408	690	–	7	7	–	7	7	282	422	704
as town patients,	–	–	–	–	3	3	–	–	–	–	3	3
as private patients,	73	125	198	–	2	2	1	3	4	74	130	204
as reimbursing patients,	20	60	80	–	–	–	–	–	–	20	60	80
Number of different persons within the year,	551	852	1,403	–	30	30	14	23	37	665	905	1,470
Number of different persons admitted,	218	318	536	–	21	21	10	11	21	228	350	578
Number of different persons admitted by commitment,	197	275	472	–	19	19	9	11	20	206	305	511
Number of different persons dismissed,	182	273	455	–	18	18	13	15	28	195	306	501
Persons recovered,	31	56	87	–	–	–	–	–	–	31	56	87
Number of different persons discharged capable of self-support,	12	18	30	–	–	–	–	–	–	12	18	30
Daily average of patients,	356.73	574.59	931.32	–	9.81	9.81	4.48	11.04	15.52	361.21	595.44	956.65
Viz.: State patients,	265.25	424.74	689.99	–	–	–	–	–	–	266.32	432.07	698.39
town patients,	–	–	–	–	2.41	2.41	–	–	–	–	2.41	2.41
private patients,	68.90	103.03	171.93	–	1.17	1.17	3.41	6.53	9.94	72.31	114.14	186.45
reimbursing patients,	22.58	46.82	69.40	–	–	–	–	–	–	22.58	46.82	69.40

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	Cases committed.		
	Males.	Females.	Totals.
First to this hospital,	153	212	365
Second to this hospital,	30	42	72
Third to this hospital,	10	8	18
Fourth to this hospital,	5	8	13
Fifth to this hospital,	1	2	3
Sixth to this hospital,	–	1	1
Seventh to this hospital,	–	2	2
Eighth to this hospital,	1	1	2
Eleventh to this hospital,	–	1	1
Total cases,	200	277	477
Total persons,	197	275	472
Never before in any hospital for the insane,	153	212	365

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	Males.			Females.			Totals.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	80	41	35	94	41	44	174	82	79
Other New England States,	19	17	26	28	26	27	47	43	53
Other States,	5	4	5	12	9	8	17	13	13
Total native,	104	62	66	134	76	79	238	138	145
Azores Islands,	–	–	–	1	1	1	1	1	1
Austria,	–	–	–	–	1	1	–	1	1
British Provinces,	13	16	18	14	14	20	27	30	38
England,	6	13	9	7	14	9	13	27	18
Finland,	1	1	1	2	2	2	3	3	3
France,	–	–	–	1	–	–	1	–	–
Germany,	2	3	2	4	6	5	6	9	7
Ireland,	13	36	33	33	54	55	46	90	88
Italy,	2	2	2	1	2	2	3	4	4
Norway,	–	–	–	1	1	1	1	1	1
Portugal,	–	1	1	–	–	–	–	1	1
Russia,	7	6	6	3	2	2	10	8	8
Scotland,	2	4	4	1	6	3	3	10	7
Sweden,	2	2	2	6	8	7	8	10	9
Switzerland,	–	–	1	–	–	–	–	–	1
Syria,	–	–	–	1	1	1	1	1	1
Total foreign,	48	84	79	75	112	109	123	196	188
Unknown,	1	7	8	3	24	24	4	31	32
Totals,	153	153	153	212	212	212	365	365	365

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	1	1	2	–	1	1
Berkshire County,	–	–	–	1	–	1
Bristol County,	3	2	5	–	1	1
Essex County,	6	7	13	2	1	3
Franklin County,	1	1	2	3	2	5
Middlesex County,	55	76	131	13	24	37
Norfolk County,	23	30	53	8	12	20
Plymouth County,	3	12	15	2	2	4
Suffolk County,	41	44	85	11	11	22
Worcester County,	19	36	55	3	8	11
From Connecticut,	1	–	1	–	–	–
From Maine,	–	1	1	–	–	–
From New York,	–	1	1	1	–	1
From Rhode Island,	–	–	–	–	1	1
From South Dakota,	–	1	1	–	–	–
Totals,	153	212	365	44	63	107
Cities and towns,	107	149	256	30	35	65
Country districts,	46	63	109	14	28	42

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	72	82	154
Married,	64	85	149
Widowed,	15	39	54
Divorced,	2	6	8
Unknown,	–	–	–
Totals,	153	212	365

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Bookkeepers,	2	Manager, hotel,	1
Broker,	1	Manager, store (dry goods),	1
Canvasser,	1	Mechanic,	1
Carpenters,	3	Merchant,	1
Carriage painter,	1	Messenger-boy,	1
Chore man,	1	Milk dealer,	1
Cloth finisher,	1	Mill worker,	1
Cigar maker,	1	Morocco dresser,	1
Clerks,	10	None,	19
Coachman,	1	Oiler,	1
Compositor,	1	Overseer of mill,	1
Conductors, street,	2	Painters,	4
Conductor, railroad,	1	Paint mixer,	1
Cook,	1	Photographer,	1
Draughtsman,	1	Printers,	5
Drug clerk,	1	Quarry man,	1
Druggist,	1	Retired,	2
Electrical engineer,	1	Refrigerator maker,	1
Electrician,	1	Shoe operatives,	10
Electrician's helper,	1	Shoemakers,	4
Elevator man,	1	Secretary,	1
Farmers,	8	Steam fitter,	1
Farm hands,	4	Stone mason,	1
Freight agent,	1	Straw worker,	1
Gardener,	1	Students,	2
Gas fitter,	1	Salesmen,	5
Hat blocker,	1	Teamsters,	2
Jewelry factory worker,	1	Traveling salesmen,	2
Janitor,	1	Watchman,	1
Laborers,	13	Watch factory helper,	1
Lawyer,	1	Weavers,	2
Locksmith,	1	Woodworker,	1
Longshoreman,	1		
Loom fixer,	1	Total,	153
Machinists,	6		

6. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Assistant to dentist,	1	None,	35
Bookbinder,	1	Nurses,	2
Bookkeepers,	5	Operatives,	4
Canvasser,	1	Sales ladies,	2
Chambermaid,	1	School teachers,	2
Chocolate packer,	1	Shoe workers,	4
Clerks,	4	Stenographer,	1
Cook,	1	Student,	1
Domestics,	18	Telephone operator,	1
Dressmaker,	1	Watch factory employee,	1
Housekeepers,	20		
Housewives,	41	Total,	150
Milliners,	2		

WIFE OR DAUGHTER OF —

Bookkeepers,	2	Merchant,	1
Brakeman,	1	Motorman,	1
Builder,	1	Policeman,	1
Butcher,	1	Porters,	2
Carpenters,	8	Ranchman,	1
Civil engineer,	1	Retired,	1
Clerk,	1	Salesman,	1
Contractors,	2	Shoemaker,	1
Dyer,	1	Shoe treer,	1
Engineer,	1	Stock keeper,	1
Farmers,	4	Stone cutters,	2
Foreman,	1	Stone mason,	1
Gardener,	1	Watchmaker,	1
Laborers,	4	Weavers,	2
Letter carrier,	1		
Machinists,	11	Total,	62
Manager, hotel,	1	Unknown,	–
Manager, bowling alley,	1		
Manufacturer,	1	Total,	62
Meat cutter,	1	Whole total,	212

7. — Ages of Insane at First Attack, Admission and Death.

AGES.	First admitted to Any Hospital.						Died.					
	at first attack.			when admitted.			at first attack.			at time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	14	18	32	–	–	–	–	–	–	–	–	–
15 years and less,	3	1	4	4	2	6	–	1	1	–	–	–
From 15 to 20 years,	5	8	13	10	12	22	1	–	1	–	–	–
20 to 25 years,	16	23	39	16	25	41	3	1	4	2	1	3
25 to 30 years,	10	18	28	14	14	28	3	1	4	4	–	4
30 to 35 years,	10	20	30	12	27	39	1	3	4	2	1	3
35 to 40 years,	15	27	42	20	32	52	4	2	6	5	2	7
40 to 50 years,	27	27	54	36	36	72	10	6	16	7	8	15
50 to 60 years,	12	17	29	15	20	35	7	3	10	11	5	16
60 to 70 years,	10	18	28	10	19	29	8	6	14	13	7	20
70 to 80 years,	9	13	22	12	22	34	11	6	17	15	7	22
Over 80 years,	4	2	6	4	3	7	2	2	4	2	3	5
Totals,	135	192	327	153	212	365	50	31	81	61	34	95
Unknown,	18	20	38	–	–	–	11	3	14	–	–	–
Totals,	153	212	365	153	212	365	61	34	95	61	34	95
Mean known ages (in years),	36.34	40.82	38.93	39.04	44.02	41.93	53.90	52.31	53.29	55.98	58.52	56.87

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	30	4	34	4	–	4	1	–	1	30	4	34
Alcoholic intemperance and drug habit,	1	1	2	1	–	1	–	–	–	1	1	2
Arteriosclerosis,	9	3	12	–	–	–	–	1	1	–	–	–
Arteriosclerosis and apoplexy,	7	4	11	–	–	–	1	–	1	–	–	–
Arteriosclerosis and grippe,	–	1	1	–	–	–	–	–	–	–	–	–
Climacteric,	–	1	1	–	–	–	–	–	–	–	–	–
Congenital,	14	19	33	–	–	–	–	–	–	–	–	–
Defective hearing,	–	1	1	–	–	–	–	1	1	–	–	–
Deprivation,	–	1	1	–	–	–	–	–	–	–	–	–
Epilepsy,	1	1	2	–	–	–	–	–	–	–	–	–
Erysipelas,	1	–	1	–	–	–	–	–	–	–	–	–
Ill health,	2	20	22	1	3	4	–	6	6	–	–	–
Lactation,	–	1	1	–	–	–	–	–	–	–	–	–
La grippe,	1	–	1	–	–	–	–	–	–	–	–	–
Operation,	–	4	4	–	2	2	–	1	1	–	–	–
Overwork,	5	12	17	2	6	8	1	–	1	–	–	–

Puerperium,	–	8	8	–	3	3	–	1	1	–	–	–
Pulmonary tuberculosis,	1	–	1	–	–	–	–	–	–	–	–	–
Senility,	8	29	37	–	2	2	–	1	1	–	–	–
Syphilis,	18	2	20	2	–	2	–	–	–	–	–	–
Traumatism,	1	3	4	1	–	1	–	–	–	–	–	–
Mental. —												
Business reverses,	1	–	1	–	–	–	–	–	–	–	–	–
Fright,	–	2	2	–	–	–	–	–	–	–	–	–
Grief,	3	4	7	–	3	3	–	–	–	–	1	1
Heredity,	13	5	18	13	5	18	–	–	–	–	–	–
Nervous shock,	1	1	2	1	–	1	–	–	–	–	–	–
Overwork and overstudy,	1	–	1	–	–	–	–	–	–	–	–	–
Religious excitement,	–	1	1	–	–	–	–	–	–	–	–	–
Worry,	3	35	38	2	2	4	–	2	2	–	1	1
Worry and deprivation,	–	1	1	–	1	1	–	–	–	–	–	–
Worry and grief,	1	2	3	–	1	1	–	–	–	–	–	–
Worry and ill health,	–	7	7	–	–	–	–	–	–	–	–	–
Worry and overwork,	–	2	2	–	–	–	–	–	–	–	–	–
Totals,	122	175	297	27	28	55	3	13	16	31	7	38
Unknown,	31	37	68	1	1	2	5	2	7	–	–	–
Totals,	153	212	365	28	29	57	8	15	23	31	7	38

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	First admitted to Any Hospital.		
	Males.	Females.	Totals.
Congenital,	14	18	32
Under 1 month,	32	46	78
From 1 to 3 months,	16	25	41
3 to 6 months,	17	25	42
6 to 12 months,	17	18	35
1 to 2 years,	11	28	39
2 to 5 years,	21	23	44
5 to 10 years,	7	7	14
10 to 20 years,	1	1	2
Over 20 years,	–	1	1
Totals,	136	192	328
Unknown,	17	20	37
Totals,	153	212	365
Average known duration (in years),	1.19	1.12	1.14

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharges. Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Not Insane.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																								
Alcoholic insanity, acute,	18	1	19	7	3	10	1	–	1	1	–	1	–	–	–	–	–	–	2	–	2	11	3	14
Alcoholic insanity, chronic,	13	4	17	–	–	–	2	1	3	1	–	1	2	–	2	–	–	–	1	1	2	6	2	8
Constitutional psychopathic inferiority,	–	2	2	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1
Dementia, organic,	13	8	21	–	–	–	1	–	1	–	1	1	–	1	1	–	–	–	10	3	13	11	5	16
Dementia præcox,	33	54	87	3	3	6	3	3	6	1	10	11	7	5	12	–	–	–	1	4	5	15	25	40
Dementia, senile,	15	33	48	–	–	–	1	–	1	2	1	3	3	4	7	–	–	–	13	12	25	19	17	36
Dementia, terminal,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Epileptic insanity,	1	1	2	–	–	–	–	–	–	1	1	2	2	–	2	–	–	–	2	–	2	5	1	6
Exhaustion, psychosis,	–	5	5	2	6	8	–	–	–	–	–	–	–	1	1	–	–	–	–	2	2	2	9	11
General paresis,	22	3	25	–	–	–	–	–	–	–	–	–	4	3	7	–	–	–	11	1	12	15	4	19
Hysterical insanity,	–	3	3	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	2	2
Imbecility,	14	19	33	–	–	–	–	–	–	–	1	1	8	2	10	–	–	–	–	1	1	8	4	12
Infection exhaustion psychosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Infection psychosis,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Involution melancholia,	4	13	17	1	4	5	–	3	3	–	2	2	2	5	7	–	–	–	2	1	3	5	15	20
Korssakoff's psychosis,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manic depressive,	13	47	60	7	15	22	–	3	3	–	5	5	–	1	1	–	–	–	–	1	1	7	25	32
Paranoia,	1	6	7	–	–	–	–	1	1	–	1	1	–	–	–	–	–	–	–	2	2	–	4	4
Psychasthenia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Syphilitic insanity,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Toxic insanity,	–	–	–	–	–	–	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	2	–	2
Undiagnosed,	2	10	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total A,	153	212	365	20	33	53	9	11	20	7	24	31	28	22	50	–	–	–	44	28	72	108	118	226

10. — Form of Mental Disease in Patients committed or discharged, etc. — Concluded.

FORM OF DISEASE.	Committed.			Discharges. Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Not Insane.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —																								
Alcoholic insanity, acute,	6	1	7	3	–	3	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	4	–	4
Alcoholic insanity, chronic,	2	–	2	–	–	–	1	–	1	1	–	1	1	–	1	–	–	–	1	–	1	4	–	4
Constitutional psychopathic inferiority,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dementia, organic,	3	1	4	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	2	–	2	2	1	3
Dementia præcox,	12	21	33	–	1	1	–	3	3	–	4	4	1	–	1	–	–	–	1	1	2	2	9	11
Dementia, senile,	4	1	5	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	3	–	3	3	1	4
Dementia, terminal,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1
Epileptic insanity,	1	2	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General paresis,	4	–	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	1	7	6	1	7
Hysterical insanity,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Imbecility,	2	1	3	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1
Infection exhaustion psychosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Involution melancholia,	2	7	9	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	1	1	1	1	2
Manic depressive,	10	29	39	8	20	28	2	2	4	1	1	2	1	6	7	–	–	–	2	–	2	14	29	43
Myxœdematous insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Paranoia,	–	–	–	–	–	–	–	1	1	–	1	1	–	2	2	–	–	–	1	2	3	1	6	7
Toxic insanity,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Not insane,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	1	–	1
Total B,	47	65	112	11	23	34	3	7	10	3	6	9	3	11	14	1	–	1	17	6	23	38	53	91
Aggregate cases,	200	277	477	31	56	87	12	18	30	10	30	40	31	33	64	1	–	1	61	34	95	146	171	317
Aggregate persons,	197	275	472	31	56	87	12	18	30	10	30	40	31	33	64	1	–	1	61	34	95	146	171	317

11. — Discharges of the Insane, classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Capable of Self-support.			Improved.			Not improved.			Not Insane.			Deaths.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	20	33	53	9	11	20	7	24	31	28	22	50	–	–	–	44	28	72	108	118	226
Second to this hospital,	7	12	19	1	6	7	1	2	3	1	6	7	1	–	1	14	4	18	25	30	55
Third to this hospital,	2	4	6	1	–	1	1	2	3	2	4	6	–	–	–	2	1	3	8	11	19
Fourth to this hospital,	1	3	4	1	1	2	1	1	2	–	–	–	–	–	–	–	–	–	3	5	8
Fifth to this hospital,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	2	2
Sixth to this hospital,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	3	3
Seventh to this hospital,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	2	2
Tenth to this hospital,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Twelfth to this hospital,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Total cases,	31	56	87	12	18	30	10	30	40	31	33	64	1	–	1	61	34	95	146	171	317
Total persons,	31	56	87	12	18	30	10	30	40	31	33	64	1	–	1	61	34	95	146	171	317
First admitted to any hospital,	20	33	53	9	11	20	7	24	31	28	22	50	–	–	–	44	28	72	108	118	226

12. — Causes of Death, and Form of Mental Disease in Persons who died.

CAUSES.	Aggregates.			Manic Depressive.			Dementia Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.			Terminal Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Exhaustion of organic dementia,	4	–	4	–	–	–	–	–	–	–	–	–	–	–	–	4	–	4	–	–	–	–	–	–
Exhaustion of involution melancholia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of senile dementia,	3	9	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	9	12	–	–	–
Exhaustion of general paresis,	12	1	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute cerebritis and leptomeningitis,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Disseminated spinal myelitis and anæmia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epileptic seizures and cardiac paralysis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																								
Adeno carcinoma of lung and brain,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Phthisis pulmonalis,	2	4	6	–	1	1	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Gangrene of lung,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Pneumonia, broncho,	8	2	10	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	6	–	6	–	–	–
Pneumonia, lobar,	7	2	9	–	–	–	–	–	–	1	–	1	1	–	1	1	–	1	1	1	2	1	–	1
Tubercular broncho pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																								
Myocarditis and delirium tremens,	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	–	–	–
Senile gangrene (of feet),	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Digestive system: —																								
Dysentery,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Entrocolytis, acute,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Gastric hemorrhage,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic interstitial nephritis,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Pyelo-nephritis and cystitis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

General: —																								
Abscess of lung and septic peritonitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Abscess of lung and thrombosis of left femoral vein,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute suppurative peritonitis,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Angina ludovici,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Asphyxia by drowning,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebellar apoplexy and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Cerebral congestion and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Carbuncle,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Encephalitis and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fracture of femur and organic dementia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Fracture of skull,	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	2	–	2	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Interstitial nephritis and chronic myocarditis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Interstitial nephritis and œdema of lungs,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Interstitial nephritis and lobar pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Lobar pneumonia and carbuncle,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Pernicious anæmia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Pulmonary tuberculosis and spastic paraplegia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Transverse myelitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Valvular heart disease and carcinoma of intestines,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease and myxœdema,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	61	34	95	2	1	3	2	5	7	3	–	3	2	1	3	12	3	15	16	12	28	1	–	1

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	General Paresis.			Exhaustion Psychosis.			Imbecility.			Involution Melancholia.			Paranoia.			Epileptic Insanity.			Exhaustion Infection Psychosis.			Infection Psychosis.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Exhaustion of organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of involution melancholia,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of senile dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of general paresis,	12	1	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute cerebritis and leptomeningitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Disseminated spinal myelitis and anæmia,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Epileptic seizures and cardiac paralysis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Respiratory system: —																								
Adeno carcinoma of lung and brain,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Phthisis pulmonalis,	2	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Gangrene of lung,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, broncho,	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–
Pneumonia, lobar,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Tubercular broncho pneumonia,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																								
Myocarditis and delirium tremens,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Senile gangrene (of feet),	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Digestive system: —																								
Dysentery,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Entrocolytis, acute,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Gastric hemorrhage,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic interstitial nephritis,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pyelo-nephritis and cystitis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

General: —																									
Abscess of lung and septic peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Abscess of lung and thrombosis of left femoral vein,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute suppurative peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Angina ludovici,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Asphyxia by drowning,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebellar apoplexy and lobar pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral congestion and lobar pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carbuncle,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Encephalitis and lobar pneumonia,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fracture of femur and organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fracture of skull,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Interstitial nephritis and chronic myocarditis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	
Interstitial nephritis and œdema of lungs,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Interstitial nephritis and lobar pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	
Lobar pneumonia and carbuncle,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Pernicious anæmia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Pulmonary tuberculosis and spastic paraplegia,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	
Transverse myelitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	
Valvular heart disease,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Valvular heart disease and carcinoma of intestines,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Valvular heart disease and myxœdema,	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Totals,	17	2	19	–	2	2	–	1	1	2	2	4	1	4	5	2	–	2	–	1	1	1	–	1	

13. — Duration of Mental Disease and its Treatment in Patients recovered and died.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month,	8	12	20	–	1	1	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	3	9	12	4	6	10	1	4	5	1	–	1	1	–	1
3 to 6 months,	2	4	6	7	16	23	5	9	14	2	2	4	2	3	5
6 to 12 months,	1	3	4	8	9	17	4	12	16	1	7	8	1	8	9
1 to 2 years,	1	1	2	1	1	2	5	4	9	2	9	11	4	6	10
2 to 5 years,	–	1	1	–	–	–	–	1	1	4	5	9	3	6	9
5 to 10 years,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	15	30	45	20	33	53	15	30	45	11	23	34	11	23	34
Unknown,	5	3	8	–	–	–	5	3	8	–	–	–	–	–	–
Totals,	20	33	53	20	33	53	20	33	53	11	23	34	11	23	34
Average of known cases (in months),	2.09	4.37	3.61	3.26	6.37	5.19	7.86	9.65	9.05	27.44	16.73	17.25	20.11	15.26	16.82

B. — Died: —															
Congenital,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Under 1 month,	3	4	7	6	5	11	1	1	2	–	–	–	–	–	–
From 1 to 3 months,	9	4	13	10	7	17	4	3	7	–	–	–	4	–	4
3 to 6 months,	5	4	9	8	5	13	4	2	6	2	–	2	5	–	5
6 to 12 months,	5	1	6	5	2	7	5	3	8	2	1	3	–	1	1
1 to 2 years,	9	3	12	3	2	5	7	2	9	2	1	3	4	4	8
2 to 5 years,	3	4	7	9	6	15	10	5	15	3	–	3	2	–	2
5 to 10 years,	2	4	6	1	–	1	3	6	9	5	1	6	2	1	3
10 to 20 years,	–	1	1	2	1	3	2	3	5	3	2	5	–	–	–
Over 20 years,	–	1	1	–	–	–	–	1	1	–	1	1	–	–	–
Totals,	36	26	62	44	28	72	36	26	62	17	6	23	17	6	23
Unknown,	8	2	10	–	–	–	8	2	10	–	–	–	–	–	–
Totals,	44	28	72	44	28	72	44	28	72	17	6	23	17	6	23
Average of known cases (in months),	12.33	48.61	27.54	10.47	21.91	13.53	26.81	71.47	45.53	80.70	47.44	72.45	13.41	22.10	15.67

LIST OF PERSONS

Employed at the Westborough State Hospital, Nov. 30, 1909.

	Salaries per Year.
Superintendent and physician,	$3,000 00
Assistant superintendent and physician,	2,000 00
Assistant physicians (two), each,	1,200 00
Assistant physician,	1,000 00
Assistant physicians (two), each,	800 00
Assistant physician,	600 00
Pathologist,	1,800 00
Steward,	1,200 00
Treasurer,	525 00
Clerk,	800 00
Engineer,	1,400 00
Farmer,	1,000 00

	Salaries per Month.
Assistant clerk,	$35 00
Secretary to superintendent,	40 00
Record clerk,	34 00
Stenographer,	30 00
Pharmacist,	25 00
Supervisor (female),	75 00
Supervisor (male),	60 00
Assistant supervisors (female, two), each,	40 00
Assistant supervisor (female),	35 00
Assistant supervisor (female),	30 00
Assistant supervisor (male),	40 00
Matron of nurses' homes,	33 00
Head seamstress,	32 00
Seamstresses (five),	$16 00 to 23 00
Attendants (fifty-seven),	25 00 to 50 00
Nurses (ninety-four),	18 00 to 25 00
Night watch (male),	37 00
Night watch (female),	30 00
Baker,	80 00
Assistant steward,	60 00
Butcher,	60 00
Office girls (three),	$18 00 and 20 00
Hall boy,	16 00
Housekeeper,	30 00
Chef,	75 00

	Salaries per Month.
Cook, administration,	$30 00
Cook, Talbot,	33 00
Cook, Stanley house,	25 00
Cook, superintendent's house,	30 00
Cook, Warren house,	26 00
Cook, Speare cottage,	25 00
Cook, Richmond cottage,	30 00
Cook, farmhouse,	25 00
Cook, Heath farm,	25 00
Cook, order,	24 00
Head laundress,	52 00
Richmond laundress,	32 00
Laundry men (three),	$25 00 to 34 00
Laundry girls (eight),	22 00 to 24 00
Kitchen men (four),	18 00 to 25 00
Kitchen girls (five),	18 00 and 19 00
Basement man,	25 00
Basement boys (three),	$18 00 and 20 00
Scullery man,	20 00
Waitresses (eight),	$18 00 and 20 00
Chambermaids (two),	20 00 and 30 00
Carpenter,	100 00
Assistant engineers (two), each,	80 00
Farm foreman,	35 00
Farm watchman,	30 00
Farm teamsters (seven),	$25 00 to 32 00
Farm hands (five),	25 00 and 30 00
Chore men (two),	25 00 and 29 00
Piggery man,	30 00
Barn men (three),	$22 00 to 30 00
Gardener,	65 00
Assistant gardener,	28 00
Lawn men (two),	$25 00 to 30 00
Coachman,	37 00
Expressman,	23 00

	Wages per Day.
Carpenters (four), each,	$3 00
Painter,	3 00
Mason,	3 75
Mason on roads and walks,	2 67
Assistant engineers (four), each,	2 30
Plumber,	3 57
Assistant plumber,	2 30
Firemen (four), each,	1 92
Firemen (ten), each,	1 54
Blacksmith,	2 50

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the Year ending Nov. 30, 1909.

1,118 aprons, white.
186 aprons, waiters.
126 aprons, colored.
50 aprons, ticking.
4 aprons, canvas.
97 aprons, bagging.
18 bags, tea and coffee.
278 bags, laundry.
69 bags, individual.
6 bags, canton flannel.
79 bed spreads repaired.
10 bed spreads bound.
27 bed socks.
309 bed pads.
65 bandages, surgical.
12 bread cloths.
24 bibs.
1,103 blankets bound and tagged.
18 canvas bed sheets with jackets.
126 canvas bed sheets repaired.
1 canvas boat cover.
6 canvas bath tub covers.
24 canvas bath tub covers repaired.
4 canvas pack covers repaired.
18 canvas camisoles.
85 canvas camisoles repaired.
9 canvas combination suits repaired.
13 canvas muffs repaired.
6 canvas mittens repaired.
44 canvas anklets repaired.
20 canvas sleeveless jackets repaired.
114 canvas straps.
4 cotton rings.
121 coats, waiters.
59 coats, overcoats repaired.
136 curtains repaired.
110 curtains hemmed.
41 curtains, drapery.
18 curtains, ticking.
370 curtains, sash.
96 curtains, screen.
8 curtains, bookcase.
2 cushions, chair.
2 cushions, leather.
502 chemises.
2 corset covers.
25 dresses, cotton.
1 dress, wool.
1 dress skirt, wool.
174 dresses, strong.
363 dresses, strong, repaired.
9 dress waists altered.
3 dress waists.
5 dress skirts altered.
440 pairs drawers.
91 dusters.
49 hours flag repairing.
1 fracture bed, canvas, repaired.
2 horse blankets repaired.
48 jumpers tagged.
58 kimonas.
88 linen table cloths.
13 linen table cloths.
480 linen napkins.

404 linen shams.
352 linen scarfs, white.
20 linen scarfs.
224 night dresses, bleached.
1,362 night dresses, unbleached.
39 night dresses, short.
1,234 napkins, sanitary.
72 overalls tagged.
1,188 pillow slips, bleached.
52 pillow slips, Talbot.
2,392 pillow slips, unbleached.
60 restraint lacings.
6 restraint collars.
67 rugs bound.
1 strong blanket lined and quilted.
7 surgical sheets.
416 pairs socks tagged.
7 sofa pillows.
57 9/4 sheets, bleached.
1,183 7/4 sheets, bleached.
3,957 7/4 sheets, unbleached.
655 shirts, outing.
60 shirts, night, bleached.
396 shirts, night, unbleached.
156 shirts, night, short.
191 skirts, long.
73 skirts, short.
30 sunbonnets.
74 ticks, pillow.
3 ticks, bolster.
1 tick, couch.
137 ticks, mattress.
98 trousers repaired.
66 towels, roller, long.
3,454 towels, roller, short.
365 towels, glass.
2,420 towels, dish.
24 towels, side.
30 towels, huck.

PRODUCTS OF THE FARM

Dec. 1, 1908, to Nov. 30, 1909.

Apples, 872½ barrels,	$2,617 50
Asparagus, 37½ boxes,	159 37
Beans, string, green, 142¾ bushels,	99 93
Beans, string, wax, 146½ bushels,	146 50
Beans, shell, 86½ bushels,	108 13
Beet greens, 130 bushels,	45 50
Beets, 550½ bushels,	275 25
Blackberries, 117 quarts,	11 70
Cabbage, 22⅓ tons,	446 67
Carrots, 407½ bushels,	244 50
Cauliflower, 6½ boxes,	6 50
Celery, 179½ boxes,	152 58
Chard, 582½ bushels,	203 88
Chicken, 176 pounds,	38 72
Cider, 177½ gallons,	17 75
Corn, 1,511¾ bushels,	1,133 81
Cress, 20½ bushels,	10 25
Cucumbers, 164½ bushels,	329 00
Eggs, 1,830 5/12 dozen,	640 65
Endive, 6 dozen,	1 50
Fowl, 331 pounds,	49 65
Ice, 652¾ tons,	1,958 25
Kale, 254 bushels,	76 20
Kohlrabi, 6 bushels,	3 00
Lettuce, 167 boxes,	125 25
Melons, 6 crates,	10 50
Milk, 350,332 quarts,	17,516 60
Onions, 106 bushels,	90 10
Parsley, 19 bunches,	95
Parsnips, 600¾ bushels,	450 56
Pears, 103½ bushels,	103 50
Peas, 173½ bushels,	173 50
Peppers, 1½ bushels,	1 13
Plums, 5 baskets,	1 50
Pork, 38,434 pounds,	3,074 72
Amount carried forward,	$30,325 10

Amount brought forward,	$30,325 10
Potatoes, 612 bushels,	581 40
Pumpkins, 100 pounds,	3 00
Radishes, 373 dozen bunches,	93 25
Rhubarb, 6,815 pounds,	136 30
Salsify, 8½ bushels,	4 25
Spinach, 770 bushels,	308 00
Squash, winter, 19⅙ tons,	383 33
Squash, summer, 45 barrels,	45 00
Tomatoes, ripe, 488½ bushels,	366 38
Tomatoes, green, 103½ bushels,	51 75
Turnips, 357½ barrels,	446 88
Veal, 431 pounds,	47 41
English hay, 204 tons,	3,672 00
Meadow hay, 25 tons,	200 00
Rye straw, 11 tons,	132 00
Ensilage, 750 tons,	3,750 00
Green feed, 120 tons,	600 00
Cabbage fodder, 20 tons,	240 00
Rowen, 12 tons,	144 00
Wood, 10 cords,	45 00
Small potatoes, 15 bushels,	3 75
Manure, 400 cords,	2,400 00
	$43,978 80

Products on Hand Nov. 30, 1909.

Apples, 678 barrels,	$2,034 00
Beets, 382 bushels,	191 00
Cabbage, 16 tons,	320 00
Carrots, 350 bushels,	210 00
Celery, 128 dozen,	108 80
English hay, 160 tons,	2,880 00
Meadow hay, 20 tons,	160 00
Rye fodder, 7 tons,	84 00
Ice, 200 tons,	600 00
Kale, 100 bushels,	30 00
Onions, 60 bushels,	51 00
Parsnips, 550 bushels,	412 50
Potatoes, 35 bushels,	33 25
Squash, winter, 7¾ tons,	155 00
Turnips, 297⅓ barrels,	371 66
Wood, 25 cords,	112 50
Ensilage, 650 tons,	3,250 00
	$11,003 71

SUMMARY OF FARM ACCOUNT.

Dr.

Apple trees,	$25 00
Bedding for cattle,	498 54
Blacksmith's supplies,	320 99
Board of farmers,	4,716 00
Dog for piggery,	10 00
Dump cart,	117 50
Fertilizers,	679 35
Gas sprayer and supplies,	180 21
Harness,	48 00
Harvesting supplies,	40 49
Hay and grain,	10,834 09
Horses,	365 00
House rent,	144 00
Incubators,	91 00
Labor, carpenters,	752 22
Labor, engineers,	39 10
Lumber for repairs,	390 48
Milk pails, etc.,	44 30
Poultry yard, wire, etc.,	71 68
Pung,	25 00
Registering cattle,	2 00
Seeds, etc.,	251 09
Sundries,	104 99
Swill,	547 50
Veterinary,	10 00
Wages and board of attendant,	654 00
Wages of farmers,	8,201 48
Wagon hubs and rims,	49 15
Wagons and tools,	339 95
Water trough,	7 25
	$29,560 36
Profit of the farm to balance,	9,218 78
	$38,779 14

Cr.

Apples, 238½ barrels,	$715 50
Asparagus, 37½ boxes,	159 37
Beans, string, green, 142¾ bushels,	99 93
Beans, string, wax, 146½ bushels,	146 50
Beans, shell, 86½ bushels,	108 13
Beet greens, 130 bushels,	45 50
Beets, 446½ bushels,	223 25
Blackberries, 117 quarts,	11 70
Brussels sprouts, 5 quarts,	55
Cabbage, 18 tons,	360 00
Carrots, 190 bushels,	114 00
Cauliflower, 6½ boxes,	6 50
Celery, 90 boxes,	76 50
Chard, 582½ bushels,	203 88
Chicken, 176 pounds,	38 72
Cider, 177½ gallons,	17 75
Corn, green, 1,511¾ bushels,	1,133 81
Cress, 20½ bushels,	10 25
Cucumbers, 164½ bushels,	329 00
Cucumbers, pickling, 6 bushels,	9 60
Eggs, 1,830½ dozen,	640 65
Endive, 6 dozen,	1 50
Fowl, 331 pounds,	49 65
Ice, 452¾ tons,	1,358 25
Kale, 154 bushels,	46 20
Kohlrabi, 6 bushels,	3 00
Leek, 44 bushels,	15 40
Lettuce, 167 boxes,	125 25
Melons, 6 crates,	10 50
Milk, 350,332 quarts,	17,516 60
Onions, 115½ bushels,	98 18
Parsley, 19 bushels,	95
Parsnips, 192½ bunches,	144 38
Peppers, 1½ bushels,	1 13
Pears, 103½ bushels,	103 50
Peas, 173½ bushels,	173 50
Plums, 5 baskets,	1 50
Pork, 38,434 pounds,	3,074 72
Potatoes, 577 bushels,	548 15
Pumpkins, 100 pounds,	3 00
Radishes, 373 dozen bunches,	93 25
Rhubarb, 6,815 pounds,	136 30
Salsify, 8½ bushels,	4 25
Amount carried forward,	$27,960 25

Amount brought forward,	$27,960 25
Spinach, 770 bushels,	308 00
Squash, winter, 19½ tons,	390 00
Squash, summer, 45 barrels,	45 00
Tomatoes, ripe, 488½ bushels,	366 38
Tomatoes, green, 103½ bushels,	51 75
Turnips, 225½ barrels,	281 88
Veal, 431 pounds,	47 41
Wood, 10 cords,	45 00
Bran, 695 pounds,	9 79
Corn,	3 00
Grease, 3,690 pounds,	73 80
Hay, $22\frac{180}{2,000}$ tons,	389 44
Labor, men, 1,763 days,	3,085 25
Labor, teams, 1,493 days,	4,105 75
Linseed, 470 pounds,	8 25
Manure, 20 tons,	120 00
Oats, 1,013 bushels,	629 92
Shoeing, repairing, etc.,	377 84
Straw, 4,001 pounds,	43 93
Sales: —	
Calves,	253 25
Hides,	8 00
Ice,	103 75
Old carriage,	5 00
Shoeing oxen,	13 50
Bags,	50 00
Sundries,	3 00
	$38,779 14

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Public Document No. 30

TWENTY-SIXTH ANNUAL REPORT

OF

THE TRUSTEES

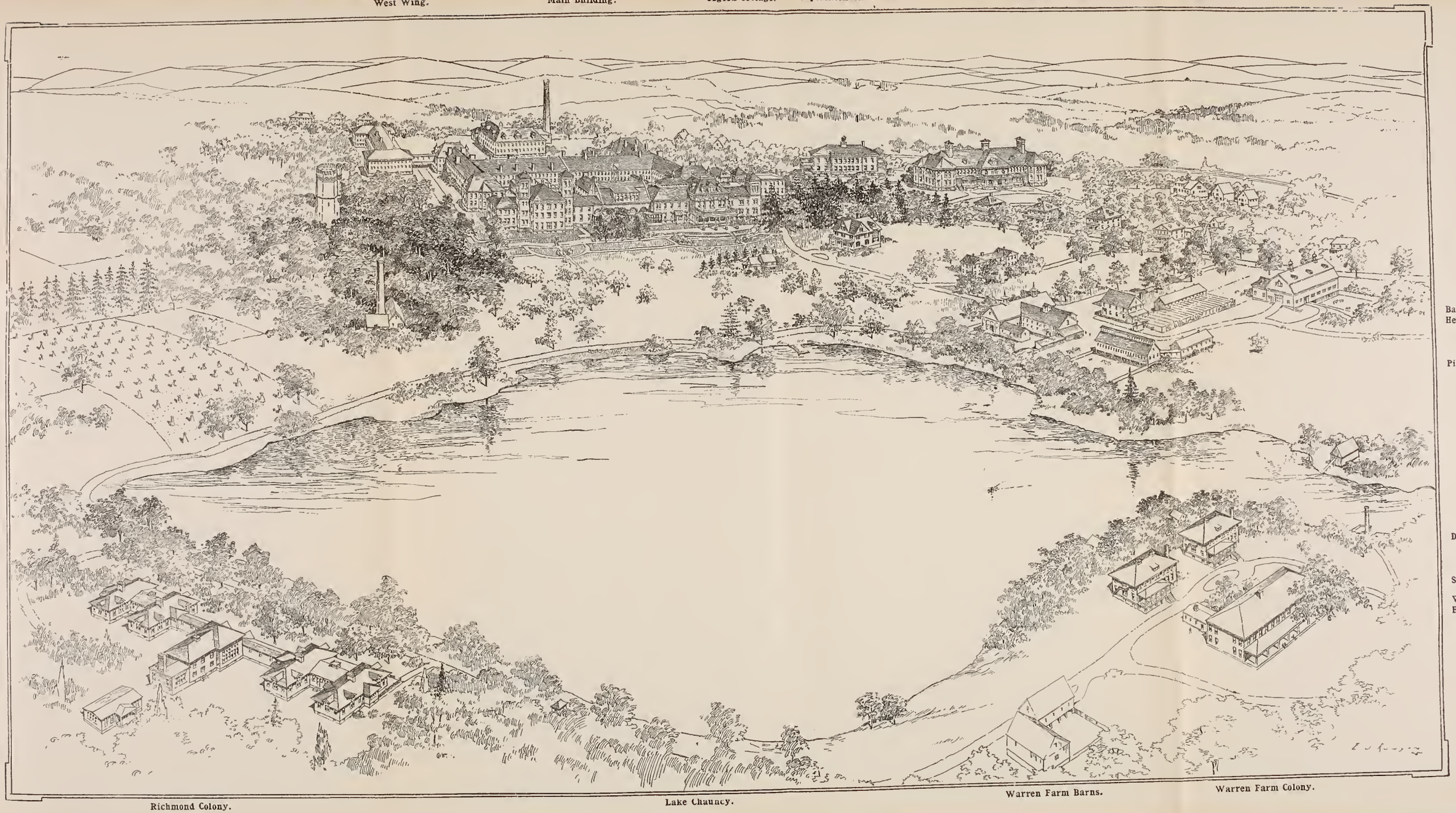
OF THE

WESTBOROUGH STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1910.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1911.


Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Osgood Cottage.
Codman Building.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Richmond Colony.
Laundry.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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JAN 31 1951

STATE HOUSE, BOSTON
Mass Officials

Approved by
The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman*,	NORTHBOROUGH.
ELIZA C. DURFEE, *Secretary*,	FALL RIVER.
SARAH B. WILLIAMS,	TAUNTON.
LEWIS R. SPEARE,	BOSTON.
WILLIAM AVERY CARY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.
JOHN M. MERRIAM,	SOUTH FRAMINGHAM.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent*,	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent*,	2,000
WILLIAM W. COLES, M.D., *Assistant Physician*,	1,200
M. M. JORDAN, M.D., *Assistant Physician*,	1,200
C. C. BURLINGAME, M.D., *Assistant Physician*,	1,000
RUTH BARKER-COLES, M.D., *Assistant Physician*,	900
ESTHER S. B. WOODWARD, M.D., *Assistant Physician*,	900
FRANCES RIEGER, M.D., *Assistant Superintendent*,	600
WALTER A. JILLSON, M.D., *Assistant Physician*,	600
SOLOMON C. FULLER, M.D., *Pathologist*,	1,800
MELVILLE L. STACY, *Steward*,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

The Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and Council.

The trustees of the Westborough State Hospital submit this, their twenty-sixth annual report.

The general work of the hospital, both in the executive and medical management, has been very satisfactory, and has had no developments calling for special commendation or criticism.

The tabular statistics required by law will be found appended to the report of the superintendent and this report. From the statistics it appears that the per capita cost of patients for the past year has been about $5, but, in connection with this, a fact that does not appear prominently in the statistics should not be overlooked, — the hospital has turned into the State treasury, from private patients and other sources, a total of something over $78,000, which should be allowed to the credit of the hospital, making the actual per capita cost to the State $3.57.

Each of the last few years has seen an increase in the number of private and voluntary patients admitted to the hospital. This is a very encouraging fact, as it shows an increasing disposition on the part of the public to view these institutions more justly and kindly, and there is a growing realization that residence in an institution of this kind, whether forced or voluntary, carries with it no stigma of disgrace, and may be the means of returning to family and friends a loved one, cured of impending mental disaster.

Work upon the new colony building for women is progressing very satisfactorily, and it now seems probable that it will be ready for occupancy in the early summer. This will be the first of a group of buildings which will be necessary in the near future for the full development of the colony plan for the female patients in this institution.

From the natural configuration of the land, though well removed

from the main part of the hospital, it is easily accessible, and it is not improbable that the contiguity of some good tillage land will give an opportunity to put in operation the plan of outdoor work for some of these patients, — a plan which Dr. Scribner of the Grafton colony has initiated, and from which he reports excellent results.

The development of this new colony has taken from the hospital land a large part of the pasture land available for the rearing of young stock. The constant increase in population has drawn more and more heavily on the resources of the arable land owned by the hospital, until at present it is not sufficient to meet the actual needs of the institution. Much of the present land was a legacy from the old Westborough reform school, and is yet "wild land." At the present price of labor the expense of clearing and developing this land is practically prohibitive, and patients' labor for this purpose is neither practicable nor suitable at the present time.

During the past year there has been offered to the hospital a contiguous farm of 65 acres, with buildings thereon, all available land, for the sum of $4,250. The price is a just one, and the trustees earnestly recommend that the Commonwealth acquire the same, and respectfully request an appropriation of $4,250 for its purchase.

The necessity of an extension of the sewage beds is fully covered in the report of the superintendent, and we respectfully ask for the sum of $1,980 for the construction of additions to the hospital sewage beds.

The main buildings of the hospital were also a legacy from the Westborough reform school, and were comparatively old buildings when diverted to hospital uses. The trustees have tried to keep the various wards in these buildings as clean and sanitary as possible under the existing conditions, but the constant demands for new construction outside the original plant have made such repairs as have been made on the main buildings in the nature of "makeshifts," to tide over the present necessity. It is impossible for this state of affairs to continue longer. The sanitary arrangements of most of the wards are insufficient, inconvenient and far from modern.

The time has come when it is absolutely essential that these old wards shall be entirely rearranged, remodeled and furnished with

sufficient modern plumbing and sanitary conveniences. The trustees appreciate that this will require, in the total, a large expenditure of money, and it seems wise that this expenditure shall be distributed over a series of years, rather than to attempt a thorough rebuilding at one time. With this in view the Board wishes to begin this work in 1911, and has had plans prepared for remodeling the building designated as Cottage A and B, whereby this building, heretofore practically detached from the main building, and connected with the same by a second-story covered passageway, will be directly connected with the main building by an addition, affording more space for patients, giving a chance for rearranging the wards and allowing the addition of sufficient modern sanitary arrangements. For the purpose of making these much-needed improvements in so-called Cottage A and B, the trustees respectfully ask for the sum of $15,000.

In this connection the Board desires to call attention to the fact that women attendants are employed more and more in institutions throughout the country in the care of suitable male wards. Where this has been tried the reports have been very satisfactory, both from an economic and practical standpoint. A remodeling of the building above referred to would make a trial of this plan possible.

The new Benjamin W. Childs building, opened the first of the summer for the acute female cases, has proved very satisfactory in every respect, and the treatment which is given, aided by all the modern hydrotherapeutic and electrotherapeutic advantages in this thoroughly up-to-date hospital building, is producing very satisfactory results.

Not the least of the above-mentioned aids is the outdoor treatment afforded by the large, two-storied, grill-enclosed veranda, on the southerly exposure of the building, where suitable cases may practically live out of doors. The opening of the Childs building made it practicable for Codman building to be used for the acute male cases, the first opportunity the hospital has had for segregating these cases, enabling them to receive equal therapeutic advantages with female cases of the same class. There should be added to the southerly exposure of Codman building a two-storied veranda similar to the one described above in connection with the Childs building. This can be done by the hospital carpenter at

an estimated cost of $2,250. The trustees respectfully ask for that sum for this purpose.

The following is a summary of the appropriations desired: —

For Collins farm,	$4,250
For extension of sewerage beds,	1,980
For remodeling and enlargement of Cottage A and B,	15,000
For double veranda on Codman building,	2,250
	$23,480

There have been some necessary changes in the personnel of the staff which have been referred to in the report of the superintendent, and which have received the approval of the trustees. The salaries of three of the staff physicians have been raised, in recognition of faithful and efficient service. This is necessary in order to maintain the medical efficiency of the staff. The compensation paid the members of the State hospital staffs in the various institutions is miserably insufficient for the labor and responsibility involved. Here there is no eight hours of work and sixteen hours for loafing and sleep, but twelve to sixteen hours of work and twenty-four hours of responsibility out of the twenty-four, and yet in many instances the compensation is less than that paid head engineers, bakers, farmers, laundresses, etc., in these institutions. The practical result is that it is becoming more and more difficult to fill satisfactorily vacancies on the staff, and more difficult each year to retain services when they have really become of value. It is poor policy for the Commonwealth to conduct their State hospitals as kindergartens for the education of physicians, who, as soon as they are developed along these special lines enough to be of value, receive strong financial inducements to go to similar work in other States, where the compensation is not so niggardly.

The Board desires to express to the members of the staff its appreciation of work satisfactorily and conscientiously performed, and especially to commend that spirit of co-operation in the work, prompted by a spirit to do everything possible to make the Westborough State Hospital a credit and honor to the Commonwealth.

The following is a list of the past trustees of the institution: —

NAME.	Residence.	When appointed.	Service ended.	For what. Cause.
Charles R. Codman,	Cotuit,	1884	1898	Resigned.
Henry S. Russell,	Milton,	1884	1887	Resigned.
Lucius G. Pratt,	West Newton,	1884	1886	Resigned.
Francis A. Dewson,	Newtonville,	1884	1895	Resigned.
Archibald H. Grimke,	Boston,	1884	1894	Resigned.
Phebe J. Leonard,	Bridgewater,	1884	1886	Resigned.
Emily Talbot,	Boston,	1884	1899	Deceased.
George B. Richmond,	New Bedford,	1886	1903	Deceased.
Anna M. Day,	Norwood,	1886	1888	Resigned.
Frank B. Goulding,	Worcester,	1888	1892	Resigned.
Martin Greene,	Worcester,	1892	1893	Resigned.
Benjamin W. Childs,	Worcester,	1894	1907	Resigned.
Alden Speare,	Newton,	1894	1902	Deceased.
George H. Quincy,	Boston,	1895	1895	Deceased.
John M. Merriam,	South Framingham,	1895	1906	Resigned.
Edward H. Haskell,	Newton,	1898	1900	Resigned.
Charlotte E. W. Buffington,	Worcester,	1901	1901	Resigned.
Edward Hamlin,	Boston,	1902	1906	Resigned.

Respectfully submitted,

JOHN L. COFFIN, *Chairman.*
ELIZA C. DURFEE, *Secretary.*
SARAH B. WILLIAMS.
GEORGE B. DEWSON.
WILLIAM AVERY CARY.
LEWIS R. SPEARE.
JOHN M. MERRIAM.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough State Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Nov. 30, 1910.

The following table shows the movement of population the past year: —

	Males.	Females.	Totals.
Patients in the hospital Dec. 1, 1910,	382	630	1,012
Admitted within the year,	335	460	795
Whole number of cases within the year,	717	1,090	1,807
Dismissed within the year,	291	442	733
Viz. : to friends,	105	182	287
on visit,	70	123	193
died,	53	52	105
transferred,	56	80	136
escaped,	7	5	12
Patients remaining Nov. 30, 1910,	426	648	1,074
Daily average of patients,	404.55	633.50	1,038.05

Of those admitted, 439 were commitments of the insane, 23 of inebriates, 32 transfers of the State Board of Insanity, 89 were voluntary, 196 were returned from visit and 13 from escape.

Of those dismissed, 287 went to their homes and friends, 136 were removed by the State Board of Insanity and 12 escaped. There were 105 deaths and 193 absent on visit.

The number of voluntary admissions for the year is 89, — 22 more than the previous year. Other applications for voluntary admission were received, but were not considered suitable cases, — only those appearing to understand their written application being received. There is a desire on the part of some people to avoid the trouble and perhaps the publicity of a court commitment, and we are asked to receive as voluntary cases those who are not suitable. My personal opinion is that the chief benefit of the law should be to secure early treatment for those who would not be committed until perhaps the hope of recovery is doubtful.

The completion and occupation, in the past summer, of the building for disturbed women provides accommodations for the segregation of all recent cases of both sexes. Excellent results have been derived from the use of the large upper veranda, which is occupied by 20 patients both day and night. A patient who is noisy in a room or dormitory rarely continues so when out in the fresh air. The increased facilities for the continuous baths are also very satisfactory.

The erection of the buildings for a new colony group, by Mr. J. J. Keating, who received the contract as the lowest bidder, is progressing expeditiously. All the buildings are under cover, much of the plastering is finished and the inside work will be continued during the winter. The hospital carpenters are constructing the sanatorium for tubercular patients, and this work will be finished in the spring. The hospital engineers, assisted by patients, will construct the sewerage system, which will care for all the present and prospective buildings that will be erected on Heath hill.

The amount of sewage going upon the hospital sewerage beds is in excess of the amount considered by the engineers to be the proper quantity, and it is therefore necessary that we should make provision for additional beds. Our engineer, Mr. J. J. VanValkenburg, has examined the ground, and given us an estimate for the construction of two additional beds of an area of three-quarters of an acre each. This will increase our present area over a third, and it should take care of the sewage from the additional growth of the hospital for several years. I recommend that an appropriation, based upon the estimate of our engineer, be asked for this purpose.

The large open veranda has been so helpful in promoting the good of the patients in the building for disturbed women, opened last summer, that I wish for another for the disturbed men in the Codman building. An estimate has been made by the hospital carpenter, who would do all the work, for a two-story veranda 30 feet square, and I recommend that an appropriation be asked to erect this veranda.

The original buildings, remodeled for hospital use when given up by the Lyman school, have never been satisfactory. Now, with the increasing necessity for better hygienic conditions for the care of our patients, there must be many changes made in them

to meet the present needs. The building requiring renovation most urgently is one used as an infirmary, known as Cottage A and B. I think the changes which have been embodied in plans made by our architect should be secured, and I recommend that an appropriation be asked by the trustees for this purpose.

The hospital received $10 as an Easter gift to the patients from Mrs. Lewis Day. We have also received twelve barrels of books and magazines during the year from the Hospital Newspaper Society; a box of magazines at Christmas from William Avery Cary, Esq.; a package of magazines from Mr. Charles Rea; and several bound volumes of "Harper's Magazine" from Mrs. R. F. Holton.

On the 13th of January, 1910, the Ladies' Auxiliary of the A. O. H. of Westborough came to the hospital and entertained the patients with a play, "Down East." On May 18, 1910, the members of the Knights of Columbus came to the hospital and gave a minstrel show. Members of the Young People's Society of Christian Endeavor of the Congregational Church at Westborough have come to the hospital on several occasions when their clergyman conducted the chapel service and given very appropriate music, especially at Christmas and Easter.

Realizing the need of more assistance in the care of the recent cases, Dr. Esther S. B. Woodward was transferred as assistant to Dr. Klopp, in the hospital group, in February. Dr. Frances Rieger, a graduate of the New York Medical College for Women, class of 1909, was appointed to the position of woman physician Feb. 27, 1910. March 1, 1910, Dr. Alberta S. Guibord resigned her position, and Dr. Ruth Barker-Coles, a former member of the staff, was appointed in her place. Dr. Chester A. Washburn resigned the position of junior assistant physician on the male side March 20, 1910, to enter general practice, and Dr. Walter A. Jillson, a graduate of Boston University School of Medicine, class of 1905, was appointed his successor.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEORGE S. ADAMS,
Superintendent.

Nov. 30, 1910.

REPORT OF THE CONSULTING BOARD.

To the Trustees of the Westborough State Hospital.

The Consulting Board would make the following report: —

During the past year they have held the usual stated meetings, all of which have been well attended, and the interests of the hospital carefully considered from their viewpoint.

In addition, 46 consultations have been held with the staff, and 27 operations have been performed; also, committees of two have visited several of the Massachusetts State hospitals. It seems not out of place at the present time, when public opinion is being so strongly directed to the fact that insanity is a disease, oftentimes subject to benefit and possible cure from proper treatment, to call the attention of your Board to the fact that this view of the subject has been taken by your hospital from its foundation, and additional experience has only strengthened this belief. We consider this a subject for congratulation.

In consideration of the occurrence of occasional proper cases, we would suggest that your Board authorize the members of the Consulting Board (surgeons) to perform the operation of vasectomy upon selected cases, and, under proper precautions, to safeguard the institution. This operation is being increasingly performed throughout the country.

E. P. COLBY, *Chairman.*
N. EMMONS PAINE, *Secretary.*
C. L. NICHOLS.
J. P. RAND.
WINFIELD SMITH.
F. B. PERCY.
GEORGE A. SUFFA.
GEORGE B. RICE.
H. P. BELLOWS.
J. P. SUTHERLAND.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, *Superintendent, Westborough State Hospital.*

Sir: — A report of the activities of the pathological laboratory for the year ending Nov. 30, 1910, is herewith submitted.

The clinico-pathological examinations have been pursued with the same vigor as in years previous, and the attempt to make the laboratory serve the immediate clinical needs of the hospital, as well as promote an active interest in the problems of psychiatry, such as may well be attacked in a laboratory of this character, have been continued.

Bacteriological examinations for the purposes of clinical diagnosis were made in 26 cases. In addition, 39 lots of autogenous bacterial vaccines for therapeutic purpose were made, the great majority of which were prepared by Dr. C. C. Burlingame. Clinical examination of the blood was undertaken in 63 cases, histological examinations of tissues from operation in 12 cases, complete urinalyses in 865 cases, and examination of stomach contents and feces in 15 cases. There were 41 autopsies performed, 38.57 per cent of the deaths, of which sections from every organ have been made and filed, in all except the last 7, which are now in course of preparation.

The autopsies have furnished material for the study of a group of cases with special reference to certain alterations of the central nervous system, associated with psychoses in persons dying at an advanced age. This study, undertaken by your pathologist, has been completed, and by the time this report is printed will be ready for publication. A further anatomical study has been undertaken, in collaboration with Dr. M. M. Jordan of the women's service, dealing with certain cellular alterations of the neuroglial and vascular apparatus in a case with diffuse degeneration limited to the fiber tracts and portions of the gray matter of the spinal cord. In addition, Dr. H. I. Klopp, of the psychopathic division, and the pathologist have made a clinical analysis of all cases of

so-called melancholia of involution, which were diagnosed in a five-year period of this hospital. The admissions, for the period from which our material was taken, numbered more than 800 cases. An abstract of the findings in this investigation was presented at the last meeting of the New England Society of Psychiatry.

The hearty co-operation of the wards and laboratory continues. For the encouragement and interest of the superintendent, the pathologist is deeply grateful.

Respectfully submitted,

S. C. FULLER,
Pathologist.

Dec. 1, 1910.

TREASURER'S REPORT.

To the Trustees of the Westborough State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1910.

CASH ACCOUNT.

Balance Dec. 1, 1909,			$1,404 86
Receipts.			
Institution Receipts.			
Board of inmates: —			
Private,	$59,630 06		
Reimbursements,	14,483 44		
Cities and towns,	155 06		
		$74,268 56	
Salaries, wages and labor: —			
Wages not called for,		15 70	
Sales: —			
Food,	$338 80		
Clothing and materials,	505 26		
Furnishings,	41 94		
Heat, light and power,	20 80		
Repairs and improvements,	42 20		
Miscellaneous,	764 55		
		1,713 55	
Farm, stable and grounds: —			
Cows and calves,	$189 00		
Pigs and hogs,	47 00		
Hides,	47 06		
Sundries,	59 43		
		342 49	
Miscellaneous receipts: —			
Interest on bank balances,	$543 80		
Rent,	155 00		
		698 80	
			77,039 10
Amount in excess of advance of last year collected by Attorney-General,			1,220 84
Receipts from Treasury of Commonwealth.			
Maintenance appropriations: —			
Balance of 1909,		$8,029 33	
Advance money (amount on hand November 30),		15,000 00	
Approved schedules of 1910,		252,528 31	
			275,557 64
Special appropriations,		$56,525 03	
Less returned,		100 00	
			56,425 03
Total,			$411,647 47

Payments.

To treasury of Commonwealth, institution receipts,	$77,039 10	
Amount in excess of advance of last year collected by Attorney-General,	1,220 84	
Maintenance appropriations: —		
Balance November schedule, 1909,	9,501 78	
Eleven months schedules, 1910,	252,528 31	
November advances,	8,485 27	
		$348,775 30
Special appropriations: —		
Approved schedules ($56,425.03, less advances of November, 1909, $67.59),		56,357 44
Balance Nov. 30, 1910: —		
In bank,	$6,214 73	
In office,	300 00	
		6,514 73
Total,		$411,647 47

MAINTENANCE.

Appropriation,	$270,000 00
Expenses (as analyzed below),	269,995 37
Balance reverting to treasury of Commonwealth,	$4 63

Analysis of Expenses.

Salaries, wages and labor:—		
General administration,	$37,813 77	
Medical service,	15,036 65	
Ward service (male),	21,501 70	
Ward service (female),	27,440 81	
Repairs and improvements,	7,496 57	
Farm, stable and grounds,	10,872 84	
		$120,162 34
Food: —		
Butter,	$4,941 57	
Butterine,	3,121 85	
Beans,	1,067 68	
Bread and crackers,	258 02	
Cereals, rice, meal, etc.,	1,444 45	
Cheese,	139 05	
Eggs,	3,681 60	
Flour,	6,560 75	
Fish,	3,435 23	
Fruit (dried and fresh),	3,090 10	
Meats,	20,309 93	
Molasses and syrup,	281 33	
Sugar,	4,319 63	
Tea, coffee, broma and cocoa,	2,083 88	
Vegetables,	2,515 12	
Sundries,	2,796 11	
		60,046 30
Amount carried forward,		$180,208 64

Amount brought forward,		$180,208 64
Clothing and materials: —		
Boots, shoes and rubbers,	$1,233 55	
Clothing,	2,327 46	
Dry goods for clothing and small wares,	2,531 42	
Furnishing goods,	82 02	
Hats and caps,	45 00	
Leather and shoe findings,	36 89	
Sundries,	259 19	
		6,515 53
Furnishings: —		
Beds, bedding, table linen, etc.,	$4,536 34	
Brushes, brooms,	356 78	
Carpets, rugs, etc.,	236 09	
Crockery, glassware, cutlery, etc.,	1,173 58	
Furniture and upholstery,	969 54	
Kitchen furnishings,	1,094 12	
Wooden ware, buckets, pails, etc.,	335 26	
Sundries,	497 26	
		9,198 97
Heat, light and power: —		
Coal,	$19,883 75	
Freight on coal,	5,330 76	
Gas,	128 45	
Oil,	41 34	
Sundries,	15 00	
		25,399 30
Repairs and improvements: —		
Brick,	$39 60	
Cement, lime and plaster,	485 18	
Doors, sashes, etc.,	22 88	
Electrical work and supplies,	1,809 69	
Hardware,	732 11	
Lumber,	1,028 20	
Machinery, etc.,	4,707 82	
Paints, oil, glass, etc.,	938 74	
Plumbing, steam fitting and supplies,	1,733 29	
Roofing and materials,	213 77	
Sundries,	3,837 17	
		15,548 45
Farm, stable and grounds: —		
Blacksmith and supplies.	$350 31	
Carriages, wagons, etc., and repairs,	208 25	
Fertilizers, vines, seeds, etc.,	1,251 53	
Hay, grain, etc.,	11,391 71	
Harnesses and repairs,	125 36	
Horses,	475 00	
Other live stock,	11 50	
Tools, farm machines, etc.,	524 76	
Sundries,	2,537 27	
		16,875 69
Amount carried forward,		$253,746 58

Amount brought forward,		$253,746 58
Miscellaneous: —		
Books, periodicals, etc.,	$299 78	
Chapel services and entertainments,	777 15	
Freight, expressage and transportation,	2,783 12	
Funeral expenses,	51 85	
Hose, etc.,	152 41	
Medicines and hospital supplies,	1,673 90	
Medical attendance, nurses, etc. (extra),	485 00	
Manual training supplies,	296 40	
Postage,	915 18	
Printing and printing supplies,	473 44	
Printing annual report,	186 60	
Return of runaways,	96 83	
Soap and laundry supplies,	2,018 77	
Stationery and office supplies,	787 14	
School books and school supplies,	170 10	
Travel and expenses (officials),	555 12	
Telephone and telegraph,	627 64	
Tobacco,	562 13	
Water,	1,591 71	
Sundries,	1,744 52	
		$16,248 79
Total expenses for maintenance,		$269,995 37

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1909,	$35,498 62
Appropriations for fiscal year,	67,000 00
Total,	$102,498 62
Expended during the year (see statement annexed),	56,425 03
Balance Nov. 30, 1910,	$46,073 59

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	$6,514 73	
November cash vouchers (paid from advance money),	8,485 27	
Due from treasury of Commonwealth account November, 1910, schedule,	2,467 06	
		$17,467 06

Liabilities.

Schedule of November bills,	$17,467 06

Special Appropriations.

Object.	Act or Resolve.	Whole Amount.	Expended During Fiscal Year.	Expended to Date.	Balance at End of Year.
New nurses' cottage and furnishing the same,	Chapter 116, Acts 1908,	$8,375 00	$189 29	$8,375 00	–
New building for married employees and furnishing the same,	Chapter 116, Acts 1908,	4,500 00	710 62	4,500 00	–
Constructing and furnishing new building for acute insane,	Chapter 522, Acts 1909,	60,000 00	34,083 28	59,813 41	$186 59
Enlarging the morgue,	Chapter 522, Acts 1909,	600 00	328 84	600 00	–
Colony group for 100 women,	Chapter 152, Resolves 1910,	57,000 00	19,769 84	19,769 84	37,230 16
Sanatorium for tubercular women,	Chapter 152, Resolves 1910,	6,000 00	1,343 16	1,343 16	4,656 84
Sewerage reservoir,	Chapter 152, Resolves 1910,	4,000 00	–	–	4,000 00
		$140,475 00	$56,425 03	$94,401 41	$46,073 59

[1] Reverting to treasury of the Commonwealth.

Respectfully submitted,

H. L. DAVENPORT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.

1. — General Statistics of the Year — Concluded.

	Insane.			Voluntary, not Insane.			Temporary Care.			Inebriates.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1910,	400	617	1,017	4	6	10	–	–	–	–	14	14	404	637	1,041
Viz.: regularly committed,	388	593	981	–	–	–	–	–	–	–	14	14	388	607	995
emergency,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
voluntary,	12	24	36	4	6	10	–	–	–	–	–	–	16	30	46
temporary care,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
supported as State patients,	305	424	729	2	5	7	–	–	–	–	13	13	307	442	749
supported as reimbursing patients,	21	58	79	–	–	–	–	–	–	–	–	–	21	58	79
supported as private patients,	74	135	209	2	1	3	–	–	–	–	1	1	76	137	213
Number of different persons within the year,	617	892	1,509	10	21	31	2	1	3	–	35	35	630	949	1,579
Number of different persons admitted,	243	309	552	9	11	20	2	1	3	–	23	23	254	344	598
Number of different persons admitted from the community,	215	273	488	9	11	20	2	1	3	–	20	20	226	305	531
Number of different persons dismissed,	220	286	506	6	15	21	2	1	3	–	21	21	228	323	551
Number of different persons dismissed to the community,	182	220	402	6	14	20	2	1	3	–	21	21	190	256	446
Number of different persons recovered,	40	62	102	–	–	–	–	–	–	–	–	–	40	62	104
Number of different persons capable of self-support,	18	23	41	–	–	–	–	–	–	–	–	–	18	23	41
Daily average number of patients,	394.43	611.61	1,006.04	3.85	7.29	11.14	–	–	–	–	12.43	12.43	398.28	631.33	1,029.61
Viz.: State patients,	300.43	424.88	725.31	1.65	5.54	7.19	–	–	–	–	11.29	11.29	302.08	441.71	743.79
reimbursing patients,	23.17	60.38	83.55	–	–	–	–	–	–	–	–	–	23.17	60.38	83.55
private patients,	70.83	126.35	197.18	2.20	1.75	3.95	–	–	–	–	1.14	1.14	73.03	129.24	202.27
Whole number of emergency admissions,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Whole number of voluntary admissions,	–	–	–	–	–	–	–	–	–	–	–	–	32	52	84
Daily average number of voluntary patients,	–	–	–	–	–	–	–	–	–	–	–	–	13.46	27.32	40.78
Whole number of temporary care admissions,	–	–	–	–	–	–	–	–	–	–	–	–	2	1	3
Daily average number of temporary care patients,	–	–	–	–	–	–	–	–	–	–	–	–	2	1	3

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	Cases committed.		
	Males.	Females.	Totals.
First to this hospital,	169	202	371
Second to this hospital,	38	57	95
Third to this hospital,	7	11	18
Fourth to this hospital,	5	4	9
Fifth to this hospital,	1	2	3
Sixth to this hospital,	2	–	2
Seventh to this hospital,	–	1	1
Total cases,	222	277	499
Total persons,	217	273	490
Never before in any hospital for the insane,	169	202	371

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	Males.			Females.			Totals.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	76	35	37	93	42	45	169	77	82
Other New England States,	18	25	21	26	31	33	44	56	54
Other States,	10	9	6	9	11	7	19	20	13
Total native,	104	69	64	128	84	85	232	153	149
Azores Islands,	1	–	1	1	1	1	2	1	2
Austria,	–	–	–	1	1	1	1	1	1
British Provinces,	12	11	14	17	21	20	29	32	34
China,	1	1	1	–	–	–	1	1	1
Denmark,	1	1	1	2	2	2	3	3	3
England,	11	13	13	7	9	9	18	22	22
Finland,	–	–	–	1	1	1	1	1	1
Germany,	2	5	5	–	3	3	2	8	8
India,	–	–	–	1	–	–	1	–	–
Ireland,	19	44	43	31	60	63	50	104	106
Italy,	4	4	4	1	1	1	5	5	5
Netherlands,	–	–	–	1	1	1	1	1	1
Norway,	4	4	4	1	1	1	5	5	5
Russia,	5	5	5	3	4	4	8	9	9
Scotland,	3	3	4	2	4	2	5	7	6
Sweden,	–	–	1	3	4	3	3	4	
Syria,	2	2	2	–	–	–	2	2	2
Total foreign,	65	93	98	72	113	112	137	206	210
Unknown,	–	7	7	2	5	5	2	12	12
Totals,	169	169	169	202	202	202	371	371	371

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	1	1	2	1	–	1
Berkshire County,	–	–	–	–	–	–
Bristol County,	4	3	7	–	1	1
Essex County,	9	14	23	1	3	4
Franklin County,	–	1	1	–	–	–
Hampshire County,	–	1	1	–	–	–
Hampden County,	–	1	1	–	–	–
Middlesex County,	56	74	130	14	25	39
Norfolk County,	25	33	58	5	9	14
Plymouth County,	4	7	11	–	2	2
Suffolk County,	39	32	71	19	18	37
Worcester County,	30	32	62	6	11	17
From Connecticut,	1	–	1	–	–	–
From Maine,	–	1	1	–	–	–
From New York,	–	1	1	–	–	–
From Kansas,	–	1	1	–	–	–
From Rhode Island,	–	–	–	–	2	2
Totals,	169	202	371	46	71	117
Cities and towns (10,000 and over),	126	133	259	36	56	92
Country districts (under 10,000),	43	69	112	10	15	25

5. — Civil Condition of Insane Persons first admitted to any Hospital.

	Males.	Females.	Totals.
Unmarried,	75	84	159
Married,	65	84	149
Widowed,	24	29	53
Divorced,	5	5	10
Unknown,	–	–	–
Totals,	169	202	371

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Baker,	2	Motorman,	1
Blacksmith,	2	Moulder,	1
Bleachery employee,	1	Musician,	1
Boiler maker,	1	None,	16
Bookkeeper,	1	Operative,	6
Boxfitter,	1	Overseer,	2
Carpenter,	5	Packer,	2
Cigar maker,	1	Painter,	2
Clerk,	4	Passenger brakeman,	1
Cloth examiner,	1	Patrol driver,	1
Coachman,	2	Pedler,	1
Copper miner,	1	Photographer,	1
Coppersmith's helper,	1	Physician,	3
Costumer,	1	Piano maker,	1
Dentist,	2	Plumber,	1
Druggist,	1	Real estate agent,	1
Drug clerk,	2	Retired soldier,	1
Dry battery maker,	1	Rubber worker,	2
Electrician,	2	Sailor,	2
Elevator man,	1	Salesman,	4
Farmer,	6	School boy,	2
Fireman,	1	Shoemaker,	8
Gardener,	1	Shipper,	1
Insurance agent,	2	Shipping clerk,	1
Janitor,	2	Stone mason,	1
Jeweler,	3	Student,	3
Kitchen work,	1	Tailor,	2
Laborer,	25	Teamster,	1
Locomotive engineer,	1	Traveling salesman,	3
Machinist,	5	Waiter,	2
Manager of factory,	1	Watchman,	3
Meat cutter,	1	Weaver,	2
Mechanic,	2	Window decorator,	1
Merchant,	4		
Milkman,	1	Total,	169

6. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Authoress,	1	Missionary,	1
Chamber maid,	1	Music teacher,	1
Clerk,	4	Newspaper reporter,	1
Compositor,	1	None,	26
Domestic,	15	Nurse,	3
Drawing teacher,	1	Operative,	8
Dressmaker,	5	Packer,	1
Flower maker,	1	Physician,	1
Housekeeper,	31	Printer,	1
Housewife,	58	Saleslady,	1
Housework,	16	School teacher,	7
Inspector of lamps,	1	Sewing,	1
Laundry work,	1	Shoeworker,	5
Librarian,	1	Stenographer,	2
Masseuse,	1	Waitress,	1
Mill work,	1		
Milliner,	1	Total,	200

WIFE OR DAUGHTER OF —

Carpenter,	1	Unknown.	–
Porter,	1		
		Whole total,	202
Total,	2		

7. — Ages of Insane at First Attack, Admission and Death.

AGES.	First admitted to Any Hospital.						Died.					
	at first attack.			when admitted.			at first attack.			at time of death.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	4	1	5	–	–	–	–	–	–	–	–	–
15 years and less,	4	1	5	–	–	–	–	–	–	–	–	–
From 15 to 20 years,	4	8	12	15	9	24	–	–	–	–	–	–
20 to 25 years,	18	18	36	20	19	39	–	1	1	–	1	1
25 to 30 years,	13	24	37	14	19	33	3	5	8	2	2	4
30 to 35 years,	12	21	33	14	29	43	–	2	2	2	1	3
35 to 40 years,	11	26	37	16	30	46	5	4	9	5	7	12
40 to 50 years,	29	35	64	32	34	66	12	10	22	13	8	21
50 to 60 years,	18	21	39	20	28	48	12	3	15	15	6	21
60 to 70 years,	17	12	29	19	13	32	11	8	19	10	7	17
70 to 80 years,	12	11	23	14	17	31	6	8	14	8	13	21
Over 80 years,	4	2	6	5	4	9	2	2	4	5	5	10
Totals,	146	180	326	169	202	371	51	43	94	60	50	110
Unknown,	23	22	45	–	–	–	9	7	16	–	–	–
Totals,	169	202	371	169	202	371	60	50	110	60	50	110
Mean known ages (in years),	44.53	40.46	42.30	43.45	42.22	42.78	53.37	53.16	53.27	56.03	57.92	56.89

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	24	8	32	2	2	4	3	–	3	24	8	32
Alcoholic intemperance and drug habit,	1	1	2	–	–	–	–	–	–	1	1	2
Apoplexy,	1	2	3	–	–	–	–	–	–	–	–	–
Arteriosclerosis,	22	7	29	7	2	9	1	–	1	1	–	1
Carcinoma of the breast,	–	1	1	–	–	–	–	–	–	–	–	–
Childbirth,	–	5	5	–	3	3	–	2	2	–	–	–
Climacteric,	–	4	4	–	–	–	–	1	1	–	–	–
Congenital,	10	10	20	3	1	4	1	–	1	–	–	–
Deprivation,	1	2	3	1	–	1	–	–	–	–	–	–
Drug addiction,	1	2	3	1	1	2	–	–	–	–	–	–
Epilepsy,	2	–	2	1	–	1	–	–	–	–	–	–
Erysipelas,	–	1	1	–	1	1	–	–	–	–	–	–
Excessive cigarette smoking,	1	–	1	–	–	–	1	–	1	–	–	–
Ill health,	3	16	19	1	4	5	–	5	5	–	–	–
Injury, anxiety and overwork,	–	1	1	–	–	–	–	–	–	–	–	–
Involution,	1	–	1	1	–	1	–	–	–	–	–	–
La grippe,	–	1	1	–	–	–	–	–	–	–	–	–

Myxœdema,	1	–	1	–	–	–	1	–	1	–	–	–
Operation,	1	3	4	1	1	2	–	1	1	–	–	–
Organic brain disease,	2	1	3	1	1	2	–	–	–	–	–	–
Overwork,	5	9	14	4	2	6	–	4	4	–	–	–
Physical illness,	2	2	4	–	–	–	–	–	–	–	–	–
Pneumonia,	–	1	1	–	–	–	–	1	1	–	–	–
Puerperium,	–	3	3	–	1	1	–	1	1	–	–	–
Pregnancy,	–	1	1	–	–	–	–	–	–	–	–	–
Rheumatic fever and overwork,	–	1	1	–	–	–	–	–	–	–	–	–
Senility,	16	18	34	2	2	4	–	–	–	1	–	1
Sexual shock,	–	1	1	–	–	–	–	–	–	–	–	–
Syphilis,	10	2	12	–	–	–	–	1	1	3	–	3
Traumatism,	2	1	3	–	–	–	1	–	1	–	–	–
Mental: —												
Business reverses and worry,	3	1	4	–	–	–	–	1	1	–	–	–
Fright,	–	2	2	–	1	1	–	–	–	–	–	–
Grief,	–	3	3	–	1	1	–	–	–	–	–	–
Heredity,	11	23	34	11	23	34	–	–	–	–	–	–
Overstudy,	1	–	1	–	–	–	–	–	–	–	–	–
Worry,	18	33	51	4	6	10	1	7	8	2	–	2
Totals,	139	166	305	40	52	92	9	24	33	32	9	41
Unknown,	30	36	66	–	–	–	4	14	18	–	–	–
Totals,	169	202	371	40	52	92	13	38	51	32	9	41

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	First admitted to Any Hospital.		
	Males.	Females.	Totals.
Congenital,	4	1	5
Under 1 month,	48	41	89
From 1 to 3 months,	34	41	75
3 to 6 months,	16	33	49
6 to 12 months,	15	15	30
1 to 2 years,	10	16	26
2 to 5 years,	15	24	39
5 to 10 years,	4	8	12
10 to 20 years,	–	1	1
Over 20 years,	–	–	–
Totals,	146	180	326
Unknown,	23	22	45
Totals,	169	202	371
Average known duration (in years),	1.14	1.11	1.12

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

Form of Disease.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity, acute,	13	3	16	12	1	13	2	–	2	1	–	1	3	–	3	–	–	–	18	1	19
Alcoholic insanity, chronic,	12	3	15	1	–	1	3	–	3	–	1	1	1	–	1	1	–	1	6	1	7
Chronic neurasthenia,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dementia, organic,	18	8	26	–	–	–	2	–	2	–	1	1	–	3	3	10	4	14	12	8	20
Dementia, præcox,	34	55	89	8	9	17	1	6	7	6	6	12	8	11	19	1	4	5	24	36	60
Dementia, senile,	21	20	41	–	–	–	–	2	2	4	2	6	4	6	10	11	15	26	19	25	44
Epileptic insanity,	2	–	2	–	–	–	–	–	–	–	1	1	–	–	–	3	1	4	3	2	5
Exhaustion psychosis,	2	5	7	–	2	2	–	–	–	–	–	–	–	–	–	2	3	5	2	5	7
General paresis,	12	3	15	–	–	–	–	–	–	–	–	–	6	–	6	14	5	19	20	5	25
Hysterical insanity,	1	7	8	–	4	4	–	1	1	–	–	–	–	–	–	–	–	–	–	5	5
Imbecility,	10	10	20	–	–	–	–	–	–	–	–	–	3	2	5	1	1	2	4	3	7
Infection psychosis,	2	–	2	1	–	1	–	–	–	–	–	–	–	–	–	2	–	2	3	–	3
Infection exhaustion psychosis,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Involution melancholia,	10	18	28	1	4	5	1	–	1	1	3	4	–	1	1	4	2	6	7	10	17
Korsakoff's psychosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manic depressive,	20	52	72	7	23	30	3	5	8	–	5	5	2	2	4	–	2	2	12	37	49
Myxœdema,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Paranoia,	2	4	6	–	–	–	–	1	1	1	2	3	–	–	–	–	3	3	1	6	7
Syphilitic insanity,	1	1	2	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Toxic insanity, acute,	2	1	3	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2	–	2	2
Toxic insanity, chronic,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Traumatic insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Undiagnosed,	6	6	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total A,	169	202	371	31	44	75	12	15	27	13	21	34	27	25	52	49	42	91	132	147	279

10. — Form of Mental Disease in Patients committed or discharged, etc. — Concluded.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —																					
Alcoholic insanity, acute,	4	1	5	3	–	3	1	1	2	–	–	–	–	–	–	1	–	1	5	1	6
Alcoholic insanity, chronic,	2	–	2	–	–	–	–	–	–	1	–	1	–	–	–	1	–	1	2	–	2
Chronic neurasthenia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dementia, organic,	–	2	2	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	2	2
Dementia, præcox,	15	17	32	3	6	9	3	4	7	2	1	3	–	7	7	1	4	5	9	22	31
Dementia, senile,	3	3	6	–	–	–	–	–	–	–	–	–	–	–	–	3	1	4	3	1	4
Dementia, terminal,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Epileptic insanity,	–	1	1	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1	2	–	2
General paresis,	6	1	7	–	–	–	1	–	1	–	–	–	–	–	–	3	–	3	4	–	4
Hysterical insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Imbecility,	2	2	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Infection exhaustion psychosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Involution melancholia,	2	5	7	–	–	–	–	1	1	–	2	2	–	2	2	–	–	–	–	5	5
Manic depressive,	11	37	48	3	12	15	–	1	1	–	2	2	1	1	2	1	–	1	5	16	21
Paranoia,	2	1	3	–	–	–	–	1	1	–	–	–	–	1	1	–	1	1	–	3	3
Undiagnosed,	1	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Total B,	48	72	120	9	18	27	6	8	14	3	5	8	1	13	14	11	8	19	30	52	82
Aggregate cases,	217	274	491	40	62	102	18	23	41	16	26	42	28	38	66	60	50	110	162	199	361
Aggregate persons,	215	273	488	40	62	102	18	23	41	16	26	42	28	38	66	60	50	110	162	199	361

11. — Discharges of the Insane, classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Capable of Self-support.			Improved.			Not improved.			Deaths.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	31	44	75	12	15	27	13	21	34	27	25	52	49	42	91	132	147	279
Second to this hospital,	7	14	21	6	4	10	3	3	6	1	7	8	7	5	12	24	33	57
Third to this hospital,	2	4	6	–	3	3	–	–	–	–	3	3	2	3	5	4	13	17
Fourth to this hospital,	–	–	–	–	1	1	–	2	2	–	2	2	–	–	–	–	5	5
Fifth to this hospital,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Sixth to this hospital,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Eighth to this hospital,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Total cases,	40	62	102	18	23	41	16	26	42	28	38	66	60	50	110	162	199	361
Total persons,	40	62	102	18	23	41	16	26	42	28	38	66	60	50	110	162	199	361
First admitted to any hospital,	31	44	75	12	15	27	13	21	34	27	25	52	49	42	91	132	147	279

12. — Causes of Death, and Form of Mental Disease in Persons who died.

CAUSES.	Aggregates.			Manic Depressive.			Dementia Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.			Terminal Dementia.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Acute internal hydrocephalus,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Exhaustion of organic dementia,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2	–	–	–	–	–	–
Exhaustion of involution melancholia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of senile dementia,	2	10	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	10	12	–	–	–
Exhaustion of general paresis,	6	3	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	4	5	9	–	–	–	–	1	1	–	–	–	–	–	–	1	2	3	3	1	4	–	–	–
Congestive seizures of general paresis,	3	1	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epileptiform seizures of general paresis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Status epilepticus,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																								
Phthisis pulmonalis,	3	7	10	1	1	2	1	5	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, broncho,	2	6	8	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	–	5	5	–	–	–
Pneumonia, lobar,	17	1	18	–	–	–	1	–	1	–	–	–	–	–	–	3	–	3	3	–	3	–	–	–
Pneumonia, broncho and myocarditis, acute,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Tubercular meningitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tubercular (broncho) pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Circulatory system: —																								
Myocarditis, acute,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Myocarditis, chronic,	4	–	4	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1	1	–	1	–	–	–
Pacchymeningitis hæmorrhagica interna,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Thrombosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Valvular heart disease,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Digestive system: —																								
Gastric hæmorrhage and chronic gastritis,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic interstitial nephritis,	3	1	4	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–
Pyelo-nephritis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

General: —																									
Acute delirious mania,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute enteritis,	–	2	2	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Asphyxia by drowning,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Asphyxia by hanging,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of the breast,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of the external genitalia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral tumor and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–
Concussion of the brain after accidental fall,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–
Inflammatory rheumatism and broncho pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–
Nephritis and general anasarca,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Strangulated hernia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease and lobar pneumonia,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Veranol poisoning,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	60	50	110	1	2	3	2	8	10	1	–	1	2	–	2	10	5	15	14	16	30	–	1	1	

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	General Paresis.			Exhaustion Psychosis.			Infection Psychosis.			Imbecility.			Involution Melancholia.			Paranoia.			Epileptic Insanity.			Toxic Insanity.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Acute internal hydrocephalus,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of involution melancholia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of senile dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of general paresis,	6	3	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Congestive seizures of general paresis,	3	1	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epileptiform seizures of general paresis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Status epilepticus,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Respiratory system: —																								
Phthisis pulmonalis,	1	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Pneumonia, broncho,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Pneumonia, lobar,	5	–	5	–	1	1	1	–	1	–	–	–	1	–	1	–	–	–	3	–	3	–	–	–
Pneumonia, broncho and myocarditis, acute,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tubular meningitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tubercular (broncho) pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																								
Myocarditis, acute,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis, chronic,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Pacchymeningitis hæmorrhagica interna,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Thrombosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Digestive system: —																								
Gastric hæmorrhage and chronic gastritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic interstitial nephritis,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Pyelo-nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–

General: —																								
Acute delirious mania,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acute enteritis,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Asphyxia by drowning,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Asphyxia by hanging,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Carcinoma of the breast,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of the external genitalia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Cerebral tumor and lobar pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Concussion of the brain after accidental fall,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Inflammatory rheumatism and broncho pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Nephritis and general anasarca,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Strangulated hernia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Valvular heart disease and lobar pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Veranol poisoning,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Totals,	17	5	22	2	3	5	2	–	2	1	1	2	4	2	6	–	4	4	4	1	5	–	2	2

13. — Duration of Mental Disease and its Treatment in Patients recovered, and died.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month,	14	12	26	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	3	8	11	8	7	15	5	2	7	–	2	2	2	2	4
3 to 6 months,	1	12	13	14	21	35	6	10	16	5	5	10	4	10	14
6 to 12 months,	4	1	5	8	11	19	8	18	26	1	7	8	2	3	5
1 to 2 years,	2	1	3	1	3	4	5	3	8	3	3	6	1	3	4
2 to 5 years,	–	1	1	–	2	2	–	1	1	–	1	1	–	–	–
5 to 10 years,	–	1	1	–	–	–	–	2	2	–	–	–	–	–	–
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	24	36	60	31	44	75	24	36	60	9	18	27	9	18	27
Unknown,	7	8	15	–	–	–	7	8	15	–	–	–	–	–	–
Totals,	31	44	75	31	44	75	31	44	75	9	18	27	9	18	27
Average of known cases (in months),	2.64	5.05	4.08	4.51	7.25	6.12	7.54	11.44	9.88	7.55	8.77	8.37	5.44	6.27	6.00

B. — Died: —															
Under 1 month,	8	7	15	7	3	10	3	2	5	1	–	1	1	–	1
From 1 to 3 months,	7	5	12	12	9	21	4	–	4	1	–	1	1	–	1
3 to 6 months,	4	9	13	8	5	13	4	6	10	1	–	1	1	–	1
6 to 12 months,	5	4	9	6	4	10	8	4	12	2	1	3	3	1	4
1 to 2 years,	7	8	15	5	5	10	8	6	14	1	–	1	1	–	1
2 to 5 years,	8	4	12	7	10	17	9	11	20	–	3	3	2	5	7
5 to 10 years,	2	–	2	4	5	9	5	8	13	3	1	4	2	1	3
10 to 20 years,	2	1	3	–	1	1	1	–	1	1	2	3	–	1	1
Over 20 years,	–	–	–	–	–	–	1	1	2	1	1	2	–	–	–
Totals,	43	38	81	49	42	91	43	38	81	11	8	19	11	8	19
Unknown,	6	4	10	–	–	–	6	4	10	–	–	–	–	–	–
Totals,	49	42	91	49	42	91	49	42	91	11	8	19	11	8	19
Average of known cases (in months),	23.74	25.71	24.41	14.46	28.85	21.10	30.44	40.18	35.01	62.00	107.87	81.31	21.81	54.87	35.73

LIST OF PERSONS

Employed at the Westborough State Hospital, Nov. 30, 1910.

	Salaries per Year.
Superintendent and physician,	$3,000 00
Assistant superintendent and physician,	2,000 00
Assistant physicians (two), each,	1,200 00
Assistant physician,	1,000 00
Assistant physicians (two), each,	900 00
Assistant physicians (two), each,	600 00
Pathologist,	1,800 00
Steward,	1,200 00
Treasurer,	525 00
Clerk,	800 00
Engineer,	1,400 00
Farmer,	1,000 00

	Salaries per Month.
Assistant clerks (two), each,	$35 00
Secretary to superintendent,	40 00
Record clerks (two), each,	30 00
Pharmacist,	30 00
Laboratory assistant,	25 00
Supervisor (female),	75 00
Supervisor (male),	60 00
Assistant supervisors (female, three), each,	45 00
Assistant supervisor (female),	40 00
Assistant supervisor (male),	40 00
Marking room supervisor (female),	30 00
Marking room assistant,	20 00
Matron of nurses' homes,	33 00
Head seamstress,	35 00
Seamstresses (five),	$16 00 and 18 00
Attendants (sixty-eight),	25 00 to 55 00
Nurses (ninety),	18 00 to 25 00
Night watch (male),	40 00
Night watch (female),	30 00
Baker,	80 00
Assistant steward,	60 00
Butcher,	55 00
Telephone operator,	26 00

	Salaries per Month.
Office girls (two), each,	$18 00
Hall boy,	20 00
Housekeeper,	30 00
Matron,	30 00
Chef,	75 00
Cook, administration,	35 00
Cook, Talbot,	32 00
Cook, Stanley house,	25 00
Cook, superintendent's house,	30 00
Cook, Warren house,	26 00
Cook, Speare cottage,	28 00
Cook, Richmond cottage,	30 00
Cook, farmhouse,	25 00
Cook, Heath farm,	25 00
Cook, order,	26 00
Cook, supply,	25 00
Head laundress,	52 00
Richmond laundress,	32 00
Laundry men (four),	$25 00 to 34 00
Laundry girls (eight),	22 00 to 25 00
Kitchen men (five),	20 00 and 25 00
Kitchen girls (four),	19 00 and 20 00
Store team driver,	25 00
Basement man,	25 00
Basement helpers (two), each,	18 00
Scullery man,	20 00
Waitresses (eight),	$18 00 to 24 00
Chambermaids (two),	20 00 and 30 00
Carpenter,	100 00
Caretaker,	44 00
Assistant engineer,	91 00
Assistant engineer,	80 00
Farm foreman,	35 00
Farm watchman,	30 00
Farm teamsters (five),	$25 00 to 32 00
Farm hands (five),	22 00 to 27 50
Choremen (two),	25 00 and 30 00
Piggery man,	30 00
Barn men (two),	$27 50 and 30 00
Gardener,	65 00
Assistant gardener,	30 00
Gardener's assistants (three), each,	26 00
Lawn man,	25 00
Coachman,	37 00
Expressman,	23 00

	Wages per Day.
Carpenters (three), each,	$3 00
Painter,	3 00
Mason,	3 75
Mason on roads and walks,	2 67
Assistant engineers (four), each,	2 30
Plumber,	3 57
Assistant plumber,	2 30
Firemen (five), each,	1 92
Firemen (eight), each,	1 54
Blacksmith,	2 50

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the Year ending Nov. 30, 1910.

926 aprons, white,
39 aprons, waiters.
184 aprons, colored.
13 aprons, ticking.
1 apron, carpenters.
1 apron, canvas.
24 aprons, bagging.
6 bags, tea and coffee.
183 bags, laundry.
8 bags, laundry, repaired.
136 bags, individual.
65 bags, canton flannel for silver.
6 bags, broom.
4 bags, hot-water bottle,
80 bed spreads repaired.
19 bed spreads bound.
14 bed socks.
62 bed pads.
2 bed pads, repaired.
45 bandages, surgical.
11 bibs.
409 blankets bound and tagged.
531 blankets repaired.
22 canvas bed sheets with jackets.
34 canvas bed sheets with jackets repaired.
52 canvas bed sheets repaired.
5 canvas bath tub covers.
10 canvas bath tub covers repaired.
4 canvas pack covers.
11 canvas pack covers repaired.
20 canvas camisoles,
54 canvas camisoles repaired.
6 canvas combination suits.
27 canvas combination suits repaired.
12 canvas muffs.
16 canvas muffs repaired.
4 canvas mittens repaired.
25 canvas anklets repaired.
72 canvas straps.
1 canvas ice bag.
69 caps tagged.
4 cotton rings.
20 coats, waiters.
97 coats, waiters repaired.
25 coats, overcoats, repaired.
1 coat, fur, repaired.
215 curtains made.
46 curtains hemmed.
9 pairs curtains, drapery, repaired,
17 curtains, lace, repaired.
11 curtains, ticking.
150 curtains, sash.
41 curtains, screen.
12 curtains, dark.
2 cushions, chair.
161 chemises.
5 corset covers.
6 cone covers, ether.
19 dresses, cotton.
16 dresses, cotton, altered.
1 dress, wool.
1 dress skirt, wool.
27 dresses, strong.
602 dresses, strong, repaired.
7 dress waists altered.
4 dress waists.
2 dress skirts.
8 dress skirts altered.
3 dressing sacks.
143 pairs drawers.
138 dusters.
28½ hours flag repairing.
8 horse blankets repaired.
3 horse blankets lined.
36 jumpers tagged.
12 kimonos.
110 linen table cloths, white.
12 linen table cloths, colored
60 linen table squares.
224 linen shams.
330 linen bureau scarfs, white.
50 linen bureau scarfs, colored.

30	linen stand covers.
294	night dresses, bleached.
1,198	night dresses, unbleached.
21	night dresses, short.
1,623	napkins, sanitary.
72	overalls tagged.
1	piano cover.
1,572	pillow slips, bleached.
264	pillow slips, Talbot.
2,604	pillow slips, unbleached.
220	restraint lacings.
96	restraint straps.
7	restraint collars.
138	rugs bound and repaired.
2	silence cloths.
24	strong blankets lined and quilted.
2	surgical sheets.
10	surgical stockings.
732	pairs socks tagged.
6	sofa pillows.
72	9/4 sheets, bleached.
1,174	7/4 sheets, bleached.
3,564	7/4 sheets, unbleached.
578	shirts, outing.
52	shirts, night, bleached.
180	shirts, night, unbleached.
78	shirts, night, short.
38	skirts, long.
103	skirts, short.
4	sunbonnets.
120	ticks, pillow.
2	ticks, chair cushion.
1	tick, mat for carriage.
152	ticks, mattress.
69	trousers repaired.
273	towels, roller, long.
4,891	towels, roller, short.
372	towels, glass.
1,212	towels, dish.
26	towels, side.
274	towels, huck.

PRODUCTS OF THE FARM

Dec. 1, 1909, to Nov. 30, 1910.

Apples, 552 barrels,	$1,656 00
Asparagus, 10⅔ boxes,	48 00
Beans, string, green, 247 bushels,	185 25
Beans, string, wax, 125 bushels,	93 75
Beans, shell, 69¼ bushels,	86 56
Beans, lima, 3½ bushels,	1 75
Beef, 3,551 pounds,	248 57
Beets, 625 bushels,	375 00
Beet greens, 49 bushels,	17 15
Cabbage, 10 3/20 tons,	101 50
Carrots, 289½ bushels,	173 70
Celery, 109½ boxes,	109 50
Chard, 695½ bushels,	243 43
Chicken, 1,068½ pounds,	256 44
Corn, green, 1,346¼ bushels,	1,009 69
Cress, 6 bushels,	3 00
Cucumbers, 135¼ boxes,	202 87
Duck, 11 pounds,	1 76
Eggs, 1,787 dozen,	536 10
Endive, 34 dozen,	5 10
Fowl, 275 pounds,	49 50
Ice, 504¾ tons,	1,614 25
Kahlrabi, 30½ bushels,	15 25
Kale, 263 bushels,	78 90
Leeks, 52 bushels,	26 00
Lettuce, 196¼ boxes,	147 19
Milk, 376,745 quarts,	22,604 70
Mushrooms, 35 pounds,	26 25
Onions, 104½ bushels,	88 83
Okra, 4 bushels,	2 00
Parsley, 2 bushels,	1 00
Parsnips, 467½ bushels,	467 50
Pears, 144 bushels,	252 00
Pease, 144¾ bushels,	144 75
Peppers, 3½ bushels,	2 63
Pork, 45,355 pounds,	4,535 50
Amount carried forward,	$35,411 37

Amount brought forward,	$35,411 37
Potatoes, 1,008 bushels,	705 60
Pumpkins, 80 pounds,	2 40
Quinces, ½ bushel,	1 00
Radishes, 541½ dozen bunches,	135 75
Rhubarb, 7,143 pounds,	142 86
Salsify, 48 bushels,	48 00
Spinach, 800 bushels,	32 00
Squash, winter, 11½ tons,	345 00
Squash, summer, 55 barrels,	55 00
Tomatoes, 312½ bushels,	234 38
Turnips, 325½ barrels,	406 88
Veal, 856 pounds,	94 16
English hay, 229 tons,	4,809 00
Meadow hay, 20 tons,	160 00
Ensilage, 650 tons,	3,250 00
Green feed, 135 tons,	675 00
Cabbage fodder, 10 tons,	100 00
Rye fodder, 5 tons,	25 00
Rowen, 30 tons,	360 00
Small potatoes, 55 bushels,	13 75
Wood, 30 cords,	135 00
Manure, 424 cords,	2,120 00
	$49,262 15

Products on Hand, Nov. 30, 1910.

Apples, 291 barrels,	$873 00
Beets, 433 bushels,	259 80
Cabbage, 5$\frac{13}{20}$ tons,	57 50
Carrots, 207 bushels,	124 20
Celery, 60 dozen bunches,	60 00
English hay, 175 tons,	3,675 00
Ensilage, 540 tons,	2,700 00
Meadow hay, 10 tons,	80 00
Rye fodder, 1 ton,	5 00
Ice, 60 tons,	180 00
Kale, 75 bushels,	22 50
Leeks, 50 bushels,	25 00
Onions, 26 bushels,	22 10
Parsnips, 382 bushels,	382 00
Potatoes, 125 bushels,	107 50
Salsify, 48 bushels,	48 00
Squash, winter, 7½ tons,	225 00
Turnips, 270⅔ barrels,	338 33
Wood, 25 cords,	112 50
	$9,297 43

SUMMARY OF FARM ACCOUNT.

Dr.

To expenditures on farm account: —

Apple trees,	$25 00
Bedding for cattle,	764 84
Blacksmith's supplies,	350 31
Board of farmers,	4,635 00
Eggs for setting,	42 40
Farm machinery,	246 28
Fertilizers,	843 77
Filling silo,	15 00
Gas sprayer supplies,	39 91
Harness repairs and furnishings,	50 64
Harvesting supplies,	36 00
Hay and grain,	11,471 52
Horses,	475 00
House rent,	144 00
Incubators,	71 40
Labor, carpenters on general repairs,	605 51
Labor, carpenters on poultry house and yard,	354 89
Labor, engineers on general repairs,	81 11
Lumber for general repairs,	357 24
Lumber, etc., for poultry house and yard,	524 00
Paint for general repairs,	66 46
Poultry yard wire, etc.,	50 58
Registering cattle,	10 00
Rent for Collins farm,	150 00
Roosters,	11 50
Seeds, etc.,	147 84
Sundries,	72 02
Swill,	547 50
Tools and implements,	283 31
Veterinary,	1 50
Wages and board of attendant,	654 00
Wages of farmers,	8,378 68
	$31,507 21
Profit of the farm to balance,	14,881 28
	$46,388 49

Cr.

By food items, etc., furnished the hospital: —

Apples, 695⅔ barrels,	$2,087 00
Asparagus, 10⅔ boxes,	48 00
Beans, string, green, 247 bushels,	185 25
Beans, string, wax, 125 bushels,	93 75
Beans, shell, 69¼ bushels,	86 56
Beans, lima, 3½ bushels,	1 75
Beef, 3,551 pounds,	248 57
Beets, 446½ bushels,	267 90
Beet greens, 49 bushels,	17 15
Cabbage, 24 tons,	240 00
Carrots, 197½ bushels,	118 50
Cauliflower, ⅘ box,	80
Celery, 108 boxes,	108 00
Chard, 695½ bushels,	243 43
Chicken, 1,068½ pounds,	256 44
Corn, green, 1,346¼ bushels,	1,009 69
Cress, 6 bushels,	3 00
Cucumbers, 135¼ boxes,	202 87
Duck, 11 pounds,	1 76
Eggs, 1,787 dozen,	536 10
Endive, 34 dozen,	5 10
Fowl, 275 pounds,	49 50
Ice, 458 tons,	1,374 00
Kahlrabi, 30½ bushels,	15 25
Kale, 284 bushels,	85 20
Leeks, 4 bushels,	2 00
Lettuce, 196¼ boxes,	147 19
Milk, 376,745 quarts,	22,604 70
Mushrooms, 35 pounds,	26 25
Okra, 4 bushels,	2 00
Onions, 112¼ bushels,	95 42
Parsley, 2 bushels,	1 00
Parsnips, 409½ bushels,	409 50
Pease, 144¾ bushels,	144 75
Pears, 144 bushels,	252 00
Peppers, 3½ bushels,	2 63
Pork, 45,355 pounds,	4,535 50
Potatoes, 883 bushels,	618 10
Pumpkins, 80 pounds,	2 40
Quinces, ½ bushel,	1 00
Radishes, 541½ dozen bunches,	135 75
Rhubarb, 7,143 pounds,	142 86
Amount carried forward,	$36,408 62

Amount brought forward,		$36,408 62
Spinach, 800 bushels,		32 00
Squash, winter, 8¼ tons,		247 50
Squash, summer, 55 barrels,		55 00
Tomatoes, 312½ bushels,		234 38
Turnips, 219 barrels,		164 25
Veal, 856 pounds,		94 16
Corn, 2 bags,		2 90
Fertilizer, 1 ton,		30 00
Grease, 6,005 pounds,		120 10
Hay, 14 tons,		294 00
Labor, men, 1,812 days,		3,171 00
Labor, teams, 1,527 days,		4,199 25
Linseed, 285 pounds,		5 27
Mix feed, 485 pounds,		7 04
Manure, 20 cords,		100 00
Oats, 789 bushels,		418 08
Shoeing, repairing, etc.,		430 80
Straw, 3,501 pounds,		31 65
Sales: —		
Calves,	$189 00	
Hides,	47 06	
Pigs,	47 00	
Shoeing oxen,	15 50	
Wood,	7 00	
Blacksmithing,	26 93	
Plants,	10 00	
		342 49
		$46,388 49

Public Document No. 30

TWENTY-SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

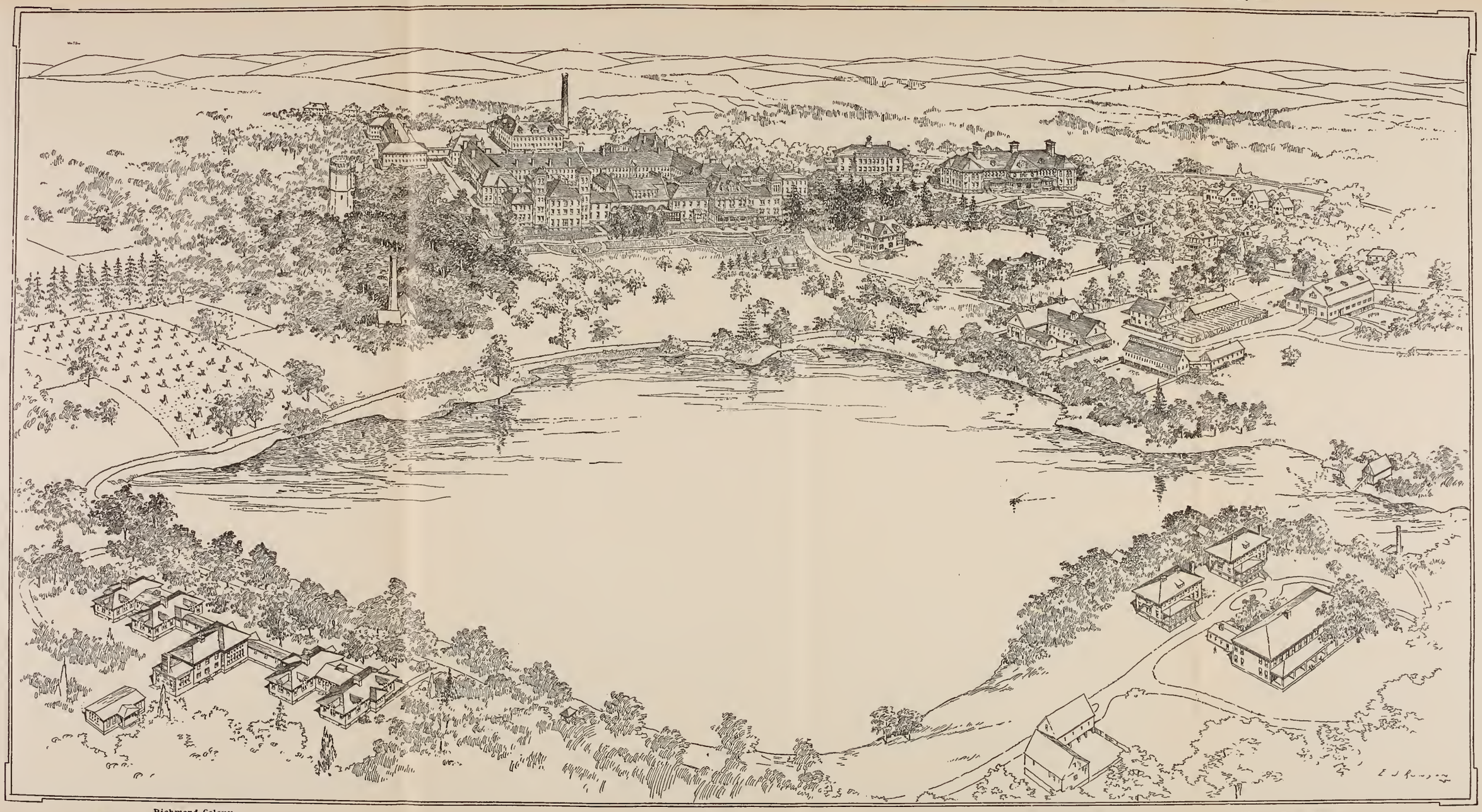
OF THE

WESTBOROUGH STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1911.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1912.


Male Attendants' Houses.
West Wing.
Boiler House and Laundry.
Main Building.
Codman Building.
Osgood Cottage.
Superintendent's House.
Talbot Building.
Female Nurses' Houses.
Stables.
Stanley House.
Water Tower.
Carpenter Shop.
Barns.
Henhouse.
Piggery.
Dewson Cottage.
Speare Cottage.
Warren Farm House.
Laundry.
Richmond Colony.
Lake Chauncy.
Warren Farm Barns.
Warren Farm Colony.

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STATE HOUSE, BOSTON
Mass. Officials

Approved by
The State Board of Publication.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOHN L. COFFIN, M.D., *Chairman,*	NORTHBOROUGH.
ELIZA C. DURFEE, *Secretary,*	FALL RIVER.
SARAH B. WILLIAMS,	TAUNTON.
HARRY B. GODDARD,	WORCESTER.
WILLIAM AVERY CARY,	MEDFORD.
GEORGE B. DEWSON,	COHASSET.
JOHN M. MERRIAM,	SOUTH FRAMINGHAM.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum.
GEORGE S. ADAMS, M.D., *Superintendent,*	$3,000
HENRY I. KLOPP, M.D., *Assistant Superintendent,*	2,000
WILLIAM W. COLES, M.D., *Assistant Physician,*	1,200
MICHAEL M. JORDAN, M.D., *Assistant Physician,*	1,200
C. C. BURLINGAME, M.D., *Assistant Physician,*	1,200
RUTH BARKER-COLES, M.D., *Assistant Physician,*	900
ESTHER S. B. WOODWARD, M.D., *Assistant Physician,*	900
ALICE S. CUTLER, M.D., *Assistant Physician,*	700
WALTER A. JILLSON, M.D., *Assistant Physician,*	900
SOLOMON C. FULLER, M.D., *Pathologist,*	1,800
MELVILLE L. STACY, *Steward,*	1,500

TREASURER.

	Per Annum.
H. L. DAVENPORT, SOUTH FRAMINGHAM,	$525

The Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough State Hospital herewith present their twenty-seventh annual report.

It has been the policy of the trustees to develop this institution just as far as practical along hospital rather than asylum lines. Classification of patients has been made and the most modern methods of treatment introduced in the effort to cure the largest number of cases where such an outcome seemed at all possible.

The trustees feel that their efforts in this direction have met with a very appreciable measure of success, but at the same time they recognize fully that whatever creditable results have been obtained are due very largely to the indefatigable work, personal interest and skill of the superintendent during most of the life of the hospital and to the loyalty, co-operation, and harmonious working of the medical staff. The superintendent seems to have been able to arouse in each member of his staff a personal interest in his work and pride in the success of the hospital, a rare faculty and an immeasurable power for success. in the head of any institution. The trustees feel that it is but just and right at this time thus to acknowledge publicly their recognition and grateful appreciation of the many years of loyalty and devotion on the part of Dr. Adams.

The hospital now has separate buildings for the treatment of acute cases both male and female, a convalescent building, a colony for mild chronic cases among men and a colony for a similar class of women, besides a building for tubercular patients of either sex.

In the main asylum building where those patients requiring domiciliary restraint are housed, classification is still carried out as far as practical on the various wards. Notwithstanding the above, the limit of classification has not been reached. At present there is no adequate place to care for the sick patients, namely, patients suffering from ailments other than their insanity. In a population of nearly 1,200 people there are necessarily more or less who suffer from the ordinary common diseases; in addition to these there are many old and decrepid who may be classed among the sick at all times. For the proper care of these sick people what is needed is an infirmary building, where they can be sent and treated until they are well enough to be returned to the various wards where they belong. It is sincerely hoped that a building of this kind, modernly equipped, may be allowed the hospital in the near future.

The future environment of those who recover sufficiently to be returned to their family or friends, or to resume an active life in the community, is something out of control of the hospital authorities, and it is right that it should be so; nevertheless, it seems as though there should be some supervision or some definite knowledge of the surroundings to which a recovered patient is to return, as the probability of relapse would be very materially lessened were his post-hospital environment the best possible, not only from a purely hygienic standpoint, but the best in the way of a healthy, moral and mental atmosphere. When so much valuable work is being done by the Social Settlement workers in our Commonwealth, it would seem possible that a suitable co-operation between this organization and the various boards of management of the hospitals might result in an arrangement, looking toward the supervision of the post-hospital surroundings of discharged patients.

What has been accomplished in the general work of the hospital, the erection and furnishing of new buildings, movement of population, etc., will be found in detail in the accompanying report of the superintendent. The board desires to call especial attention to that portion of the superintendent's report which deals with the matter of mechanical restraint, and to endorse the same.

This matter of abolishing mechanical restraint brings immediately to the front the question of what can be done to improve the type of male attendant and to insure a longer tenure of office for the same. It would seem that two things are absolutely necessary to accomplish this: first, such pecuniary compensation as to make the position attractive to a fairly intelligent man, and second, a place for him to live, provided he wishes to be married and have a home of his own. Some years since this Board recommended for the solution of the latter problem that the State should construct upon the hospital domain cottages for housing its married employees at a rental which would yield 4 or 5 per cent. on the cost. We still believe this would be a good plan, and sincerely hope that further development in this direction, than has yet been undertaken, will meet with your encouragement and approbation.

In the report which Your Excellency made to the Ways and Means Committee of the Legislature of 1911, you comment on the excessively high per capita cost of heat, light and power in this institution.

This Board has been cognizant of this fact for some years, but time for remedying the same has not seemed opportune until now. This condition has been due to the location of the power plant taken over with the old Westborough Reform School. Situated as it was, contiguous to the main building on top of the hill, any development of buildings outside of a very limited area rendered necessary the installing of small individual heating plants at various places owing to the impossibility of getting return steam to the main plant. Consequently there has been a number of boilers necessitating increased coal consumption and additional labor.

With the development of the Heath hill colony, occupied for the first time this year, a concentration of these various units is not only possible but imperative on the ground of economy alone. Plans have been made, endorsed by a competent firm of excellent engineers, for a new heat, light and power plant, situated in the valley between the Heath hill and the present Hospital hill, which will accommodate all the present and future growth of this part of the institution. These plans con-

template the removal to the new plant of two boilers, the engines and dynamo, leaving in the present plant three boilers for use in emergency.

The cost of the new plant will be $50.000, and accurate estimates show that this change will, if made, save at least 12 per cent. of the cost in saving of labor and coal. The perfected plant also contemplates the construction of a spur track from Talbot Station to the new plant at an approximate cost of $12,000. This proposed track with the exception of a very short distance will be entirely on hospital land without crossing any highway. This would make a saving of $1,200 or more a year in teaming alone, and a still further saving would be made in our ability to purchase a year's supply for delivery during the summer months which is not possible now owing to limited storage facilities.

We would therefore respectfully request an appropriation of $50,000 for the establishment of a new power plant, and an additional sum of $12,000 for building a spur track to connect with the New York, New Haven & Hartford Railroad.

Last year an appropriation of $15,000 was made for the purpose of remodelling two of the wards in the old building and installing modern sanitary necessities. The work under this grant is progressing satisfactorily. As stated in our last report this was but the beginning of a plan of general renovation of the wards and sanitary accessories in the main building. In further pursuance of this plan we ask for the sum of $10,000 for the reconstruction and proper sanitation of wards 3, 6, 12 and 13 in accordance with plans approved by the State Board of Insanity.

For the third time we ask for the sum of $4,250 for the purchase of the Collins farm. This appropriation was recommended by Your Excellency last year, but did not commend itself to the wisdom of the Ways and Means Committee of the Legislature. The reasons for its purchase have been explained the past two years and need no repetition here. The hospital needs this additional land, all available, for its continued upkeep, and the price is reasonable. There has seemed heretofore to have been no special reason why this request should not be

granted, but it was refused according to a preconceived resolution that no grant for the purchase of any additional land should be made to any of the State institutions. We do not believe this to be a wise or businesslike policy. Every case should be decided on its merits. We are willing that this application should be, and therefore again ask for the sum of $4,250 for the purchase of the Collins farm.

The average daily number of patients the past year has been 1,127. The maintenance appropriation was $289,000. The hospital paid into the State treasury the sum of $83,000, which makes the actual per capita cost $3.49 per week.

During the past year Dr. Frances Rieger resigned from the staff and Dr. Alice Cutler was elected to fill the vacancy. Dr. M. M. Jordan was obliged to take an extended vacation in order to recuperate from a severe illness, but much to the satisfaction of the trustees has returned apparently well and able to resume his work at the hospital.

The Board appreciates the continued conscientious work done by all members of the staff during the past year. Mr. Lewis R. Spear resigned from the Board of Trustees in December of 1910, and Mr. H. W. Goddard of Worcester was appointed to fill the unexpired term.

The following is a summary of appropriations requested for the ensuing year: —

For the purchase of the Collins farm, ...	$4,250
For remodelling and sanitation of wards, ...	10,000
For the building and equipment of new heat, light and power plant with necessary connections, ...	50,000
For spur track to connect with New York, New Haven and Hartford Railroad, ...	12,000
	$74,250

The following is a list of the past trustees of the institution: —

Name.	Residence.	When appointed.	Service ended.	For what Cause.
Charles R. Codman,	Cotuit,	1884	1898	Resigned.
Henry S. Russell,	Milton,	1884	1887	Resigned.
Lucius G. Pratt,	West Newton,	1884	1886	Resigned.
Francis A. Dawson,	Newtonville,	1884	1895	Resigned.
Archibald H. Grimke,	Boston,	1884	1894	Resigned.
Phebe J. Leonard,	Bridgewater,	1884	1886	Resigned.
Emily Talbot,	Boston,	1884	1899	Deceased.
George B. Richmond,	New Bedford,	1886	1903	Deceased.
Anna M. Day,	Norwood,	1886	1888	Resigned.
Frank B. Goulding,	Worcester,	1888	1892	Resigned.
Martin Greene,	Worcester,	1892	1893	Resigned.
Benjamin W. Childs,	Worcester,	1894	1907	Resigned.
Alden Speare,	Newton,	1894	1902	Deceased.
George H. Quincy,	Boston,	1895	1895	Deceased.
John M. Merriam,	South Framingham,	1895	1906	Resigned.
Edward H. Haskell,	Newton,	1898	1900	Resigned.
Charlotte E. W. Buffington,	Worcester,	1901	1901	Resigned.
Edward Hamlin,	Boston,	1902	1906	Resigned.
Lewis R. Spear,	Newton,	1904	1910	Resigned.

Respectfully submitted,

JOHN L. COFFIN, *Chairman.*
ELIZA C. DURFEE, *Secretary.*
SARAH B. WILLIAMS.
GEORGE B. DEWSON.
WILLIAM AVERY CARY.
JOHN M. MERRIAM.
HARRY W. GODDARD.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough State Hospital.

I respectfully submit the report of the superintendent for the hospital year ending Nov. 30, 1911.

The following table shows the movement of population the past year: —

	Males.	Females.	Totals.
Patients in the hospital Dec. 1, 1910,	426	648	1,074
Admitted within the year,	346	460	806
Whole number of cases within the year,	772	1,108	1,880
Dismissed within the year,	314	428	742
Viz.: to friends,	156	208	364
on visit,	63	112	175
died,	77	70	147
transferred,	2	30	32
escaped,	16	8	24
Patients remaining Nov. 30, 1911,	458	680	1,138
Daily average of patients,	451.97	675.39	1,127.36

Those admitted by court commitment and the voluntary cases number 541; 209 returned from visit; 37 were received by transfer from the State Board of Insanity; 19 returned from escape.

Of the discharges, including those out on visit, there were 539 who went to their relatives and friends and 32 were removed by the State Board of Insanity. Twenty-four patients ran away, all but 5 of whom were returned to the hospital.

Persistent effort has been made to relieve the crowded conditions of the hospital by encouraging friends of unrecovered patients to remove those who were neither dangerous to themselves or others.

We have co-operated with the State Board of Insanity in placing out to board as many patients as possible. The physi-

cian in charge of the boarding out of patients has the opportunity to select from those cases offered by the hospital authorities, and he also has freedom to go over the hospital wards and select any patient whom he may find probably suitable to get along outside. This number is not very large. These patients must, of course, come from the quiet class, but not every quiet case can be cared for outside the institution; for while the fact that they are not dangerous either to themselves or others is of the first importance, it is also necessary that morally they may not become a menace to the community. Certain quiet cases have such tendencies, or a weakened will, by reason of which they could not safely be sent out to board; and these cases, unless discharged to relatives, must be cared for in the hospital indefinitely.

The buildings on Heath hill for a colony of 100 patients and sanatorium for 40 tuberculous patients, have been completed. The sanitary conditions for these buildings, and all future buildings on the hill, has been provided for by the construction of a sewage reservoir and line of pipes connected with the present system. They were opened and occupied on August 1, by transfer of the patients at Richmond colony and sanatorium, men patients from the Stanley house and main building being sent to the Richmond colony.

The Stanley house is being repaired, painted and will be used for employees.

The appropriation for remodelling and enlarging cottages A and B is being expended, under the direction of our head carpenter. The addition will be completed and occupied in the early spring.

The double veranda at Codman building is nearly completed.

Work has been started upon the preparation of our new sewage beds, and if the weather continues open during the winter, much of the work of the removal of loam and grading beds will be done by the hospital patients, under the direction of the attendants.

Plans have been prepared for the remodelling and extension of four wards on the women's side, — wards 3, 12, 6 and 13; also enlarging the dining rooms in wards 2 and 5. This will

improve very much the women's wards, in the greatest need of change, and will care for the same class of patients that are being bettered by the changes in male cottages A and B. I recommend that an appropriation of $10,000 for these changes be asked for from the Legislature.

The cost of heat, light and power at this hospital is greater than in any other State hospital. This condition is almost wholly due to two causes: first our present heating plant is so placed in relation to the main buildings that several additional boilers are required, which is not economical either in coal or labor; second, the coal siding at Talbot will not take more than 1,200 tons of coal, — therefore our coal contracts are based on delivery during the year instead of purchasing a year's supply when coal freights are low.

The remedy is to install a central heating plant to care for all present and future buildings with the return by gravity. Plans for such a plant have been prepared, and the location selected at the base of Heath hill, 75 feet below the level of the main buildings. There would be a saving of $4,000 in labor, $500 in handling coal, and at least $2,000 in increased efficiency will be secured annually.

I recommend that you ask the Legislature for an appropriation of $50,000 for this purpose.

Should this plant be installed there would be an additional saving of at least $1,200 in hauling coal, by erecting a spur track from the station about 2,000 feet away, without crossing any highway, and furnishing storage capacity for a year's supply of coal.

In August of this year, a law, authorizing and prescribing the conditions for the use of restraint in the hospitals, went into effect, the intent of which is undoubtedly to reduce the amount of restraint that is used. I am one of those who believe that mechanical restraint is not always an evil. In the acute case, where the neutral baths, hot packs and medical treatment has failed to relieve, and the excitement is leading to exhaustion, mechanical restraint, properly applied, is humane, and I direct that it shall be used in all such cases.

With the chronic cases it was a question whether to continue to use mechanical restraint or secure additional em-

ployees to care for those patients out of restraint. Desiring to carry out the spirit of the law, I employed additional nurses and attendants, and have practically abolished the use of restraint on the asylum wards of the hospital. One result observed under nonrestraint has been more frequent occurrence of minor assaults by disturbed patients upon others, causing bruises and other slight injuries. I am told that this is also observed in other institutions where no restraint is used.

Abuse, by mechanical restraint, is slight when compared with that possible under the present system of ward care for men patients. On the women's wards, with a training school for nurses, and with a period of three month's probation to determine their fitness for entering into a contract, there is very little abuse. On the wards for men, at the wages offered, we do not secure men with the education and training which make them kind and efficient. In spite of their agreement in entering the service of the hospital, a proportion of the men employed drink, and when under the influence of liquor, or recovering from its effect, are likely to abuse a patient. How best to treat this problem is a question that is hard to decide and about which hospital men differ, but I think if a wage were given that would permit a man to marry and support a wife, we could secure a better class of men, who would remain with us for years, as they do in the penal institutions. Houses should be provided for these men so that they could have home life when they were off duty, within reasonable distance of their work.

Occupation. — Fifty-six per cent. of men and 52 per cent. of women were occupied during the past year. This is not a large number compared with the results at Gardner colony. There, however, they are supposed to have all able-bodied patients. Here there are a certain proportion of bedridden and feeble cases, as well as recent cases in bed for treatment, and not considering the 225 private patients, who are not obliged to work, though some do, the proportion of able-bodied State patients working is much larger than it would appear from the percentage given. Efforts are continually made to induce all able-bodied patients to do some work. At the new colony on

Heath hill, with nearly all able-bodied women, 93 per cent. are at work daily. In addition to those employed in ward work, in the steward's department, laundry and sewing room, the men patients at the Warren farm and Richmond colony have done much work out of doors by the use of pick, shovel and wheelbarrow. The excavation for the new colony, for the sanatorium and sewage reservoir, and for 2,500 feet of connecting pipe, was done by the labor of male patients. They also assist with the farm work and other work requiring manual labor. Some of the women patients at the new colony on the hill are employed in work outside, and in the spring they will be given a large garden to care for.

At the Richmond colony repairing and making shoes has been started, and we expect soon to be able to manufacture and repair all the shoes needed by the patients.

The dentist comes to the hospital regularly every week to care for the teeth of patients, and he has treated on an average of 15 cases each week.

Dr. Burlingame has examined and refracted the eyes of 106 patients during the past year; 44 of these required special lenses, which were supplied, and 50 were fitted with stock lenses.

Dr. Suffa, of the Consulting Board, has been to the hospital and examined the eyes of a number of patients, and Dr. Rice of that Board has operated and prescribed treatment of nose and throat troubles.

Dr. Winfield Smith, also of the Consulting Board, has made 18 visits to the hospital for surgical operation.

Through the State Board of Health, who offered to furnish typhoid vaccine, after I learned that a fair proportion of our employees were desirous of such protection, I secured a supply of vaccine, and Dr. Burlingame vaccinated 103 of the officers and employees, — the vaccination being repeated four times. Of this number, only one person had what might be called a severe reaction.

Treatment. — Your Board, from the time the hospital was opened twenty-five years ago, has encouraged the superintendent and medical staff constantly to endeavor to restore to a

normal life outside as many patients as possible. While due attention has been given to the study of mental diseases, as in the other hospitals, curative treatment has at all times been given most careful consideration.

In 1898 Talbot building was the first building erected in this State for the segregation of the recent cases from the others. Since that time Codman and quite recently Childs building have been opened for the acutely disturbed men and women. This segregation alone has been a helpful mental suggestion, and we can now give every patient, with a history of mental trouble of short duration, proper remedial treatment until such time as they recover, or it is evident that they will not get better. Insanities are not easily curable, and the accepted classification of Kraeplin gives a bad name — dementia præcox — to a group of cases, — a psychosis which develops chiefly in early life, and I believe the name alone has hindered remedial treatment in their behalf. Here all such cases, with a recent onset, are given treatment; some cases recover, others improve enough to live useful lives outside in a community.

Medical treatment. — Medical treatment is always given, and continued for a long time. Homœopathic medication is valuable, and before any recent case is given up, the administration of thyroid is given for a considerable period. The prolonged neutral baths help much to quiet a patient and promote physical gain. High frequency electricity is bringing results under careful administration. When the excitement has abated, occupation under supervision is one of our best remedial measures. The men patients at Codman respond promptly to the opportunity to work outside on the grounds. This, together with the hopeful influence of their environment and the cheerful suggestions of the physician, all help for good. When these patients go out they are given a six months' furlough, generally returning at the end of that time, and going out again, so that they are under observation for a year, and I know, by all tests of insanity, that some of these patients get entirely well.

The hospital received $100 from Miss Emily Osgood for the entertainment of patients. We also received $10 as an Easter gift to the patients from Mrs. Lewis Day.

The Rev. Roger Forbes presented the hospital with a piano, which had belonged to his mother. It was taken to the new colony for women where it is giving much pleasure.

We have received several barrels of magazines from the Hospital Newspaper Society during the year. We have also received papers and magazines from Mrs. John L. Coffin of Northborough and from Mrs. E. A. Hersey, Miss Etta Marshall, the Rev. J. C. H. Sauber and Mrs. G. A. Maynard of Westborough.

The only change in the medical staff during the past year was the resignation of Dr. Frances F. Rieger, who resigned to go to California. Dr. Alice S. Cutler, a graduate of Boston University School of Medicine, class 1902, was appointed to take her place.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust it may continue in the year to come.

GEORGE S. ADAMS,
Superintendent.

Nov. 30, 1911.

REPORT OF THE CONSULTING BOARD.

To the Trustees of the Westborough State Hospital.

The members of the Consulting Board have made the accustomed visits to other state institutions, and 63 consultations have been held and 32 operations have been performed at Westborough. Many of the cases seen at the hospital have been interesting, and a number of the patients have presented conditions which were unique.

As the needs of the hospital are constantly increasing, the Board is duly grateful for the recent completion of a new colony with the larger facilities which such an addition provides.

E. P. COLBY, *Chairman.*
N. EMMONS PAINE, *Secretary.*
C. L. NICHOLS.
J. P. RAND.
WINFIELD SMITH.
F. B. PERCY.
GEORGE A. SUFFA.
GEORGE B. RICE.
H. P. BELLOWS.
J. P. SUTHERLAND.

REPORT OF THE PATHOLOGIST.

Dr. George S. Adams, *Superintendent, Westborough State Hospital.*

Sir: — A report of work done in the pathological laboratory from Dec. 1, 1910, to Nov. 30, 1911, is herewith submitted.

During the year 1,498 clinico-pathological examinations were made. including blood-counts, widal reactions, Nogouchi serum diagnosis for syphilis, Von Pirquet skin test for tuberculosis, bacterial cultures and smears from infected wounds, tissues from operations, analyses of stomach contents, examination of sputa, urinalyses, and preparation of bacterial vaccines. Forty-six autopsies were performed and upward of 3,000 slides have been prepared from these autopsies. Our brain tumor collection and aphasic material have been enriched during the year, and the autopsies have also furnished material of great interest, among which was the post-mortem upon a case of so-called Alzheimer's disease which. so far as we have been able to determine, is the eighth to be recorded.

Three papers have been prepared for scientific societies, one in collaboration with Dr. H. I. Klopp. One paper was published in the "American Journal of Insanity" for October, 1911, and another has been accepted for publication by the "Journal of Nervous and Mental Disease."

The members of the hospital staff have co-operated to a great degree in making the laboratory a useful department of the hospital organization. Your own continued support serves as the greatest encouragement to all who work in the laboratory.

Respectfully submitted,

S. C. FULLER,
Pathologist.

TREASURER'S REPORT.

To the Trustees of the Westborough State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1911: —

CASH ACCOUNT.

Balance Dec. 1, 1910,			$6,514 73
Receipts.			
Institution Receipts.			
Board of inmates: —			
Private.	$66,751 95		
Reimbursements, insane.	14,863 76		
		$81,615 71	
Sales: —			
Food,	$166 10		
Clothing,	500 86		
Furnishings,	33 75		
Heat, light and power,	7 80		
Repairs and improvements,	16 20		
Miscellaneous,	557 59		
Farm, stable and grounds: —			
Cows and calves,	138 00		
Pigs and hogs,	9 00		
Hides,	27 00		
Ice,	123 50		
Sundries,	96 97		
		1,676 77	
Miscellaneous receipts: —			
Interest on bank balances,	$403 70		
Rent.	160 00		
Sundries,	7 50		
		571 20	
			83,863 68
Receipts from Treasury of Commonwealth.			
Maintenance appropriations: —			
Balance of 1910,		$2,467 06	
Advance money (amount on hand November 30),		20,000 00	
Approved schedules of 1911,	$267,346 02		
Less returned,	50 36		
		267,295 66	
Deficiency, 1910,		133 47	
			289,896 19
Special appropriations,			48,592 41
Total,			$428,867 01

Payments.

To treasury of Commonwealth, institution receipts,		$83,863 68
Maintenance appropriations: —		
Balance November schedule, 1910,	$8,981 79	
Eleven months schedules, 1911,	267,295 66	
November advances,	12,930 09	
Deficiency, 1910,	133 47	
		289,341 01
Special appropriations, approved schedules,		48,592 41
Balance Nov. 30, 1911: —		
In bank,	$6,222 02	
In office,	847 89	
		7,069 91
Total,		$428,867 01

MAINTENANCE.

Appropriation, $289,000 00 plus deficiency of 1910, $133.47,	$289,133 47
Expenses (as analyzed below),	289,128 71
Balance reverting to treasury of Commonwealth,	$4 76

Analysis of Expenses.

Salaries, wages and labor: —		
General administration,	$40,633 18	
Medical service,	15,690 36	
Ward service (male),	24,558 08	
Ward service (female),	27,370 80	
Repairs and improvements,	5,041 53	
Farm, stable and grounds,	11,344 64	
		$124,638 59
Food: —		
Butter,	$5,903 38	
Butterine,	3,587 24	
Beans,	1,330 83	
Bread and crackers,	482 85	
Cereals, rice, meal, etc.,	2,393 57	
Cheese,	137 55	
Eggs,	3,646 87	
Flour,	7,577 12	
Fish,	3,865 42	
Fruit (dried and fresh),	4,772 26	
Meats,	21,629 20	
Molasses and syrup,	371 59	
Sugar,	3,932 27	
Tea, coffee, broma and cocoa,	2,313 78	
Vegetables,	4,145 93	
Sundries,	2,691 70	
		68,781 56
Amount carried forward,		$193,420 15

Amount brought forward,		$193,420 15
Clothing and materials: —		
Boots, shoes and rubbers,	$2,127 83	
Clothing,	3,128 77	
Dry goods for clothing and small wares,	1,706 60	
Furnishing goods,	29 46	
Hats and caps,	98 13	
Leather and shoe findings,	185 01	
Sundries,	134 47	
		7,410 27
Furnishings: —		
Beds, bedding, table linen, etc.,	$6,406 43	
Brushes, brooms,	601 30	
Carpets, rugs, etc.,	635 03	
Crockery, glassware, cutlery, etc.,	1,304 24	
Furniture and upholstery,	635 37	
Kitchen furnishings,	884 10	
Wooden ware, buckets, pails, etc.,	2 96	
Sundries,	2,951 29	
		13,420 72
Heat, light and power: —		
Coal,	$23,071 17	
Freight on coal,	5,045 00	
Gasolene,	12 19	
Oil,	53 35	
Sundries,	131 58	
		28,313 29
Repairs and improvements: —		
Cement, lime and plaster,	$401 97	
Doors, sashes, etc.,	2 25	
Electrical work and supplies,	1,586 66	
Hardware,	500 59	
Lumber,	700 13	
Machinery, etc.,	190 90	
Paints, oil, glass, etc.,	1,076 65	
Plumbing, steam fitting and supplies,	3,498 93	
Roofing and materials,	47 20	
Sundries,	1,837 45	
		9,842 73
Farm, stable and grounds: —		
Blacksmith and supplies,	$243 92	
Carriages, wagons, etc., and repairs,	951 60	
Fertilizers, vines, seeds, etc.,	1,153 57	
Hay, grain, etc.,	12,500 85	
Harnesses and repairs,	305 71	
Horses,	765 00	
Other live stock,	70 80	
Rent,	450 00	
Tools, farm machines, etc.,	463 44	
Sundries,	2,231 68	
		19,136 57
Amount carried forward,		$271,543 73

Amount brought forward,		$271,543 73
Miscellaneous: —		
Books, periodicals, etc.,	$272 80	
Chapel services and entertainments,	765 30	
Freight, expressage and transportation,	3,890 49	
Funeral expenses,	167 00	
Hose, etc.,	59 15	
Medicines and hospital supplies,	2,465 92	
Medical attendance, nurses, etc. (extra),	717 75	
Manual training supplies,	161 63	
Postage,	831 30	
Printing and printing supplies,	516 69	
Printing annual report,	201 21	
Return of runaways,	93 01	
Soap and laundry supplies,	1,386 11	
Stationery and office supplies,	937 48	
School books and school supplies,	573 04	
Travel and expenses (officials),	586 18	
Telephone and telegraph,	731 08	
Tobacco,	748 48	
Water,	1,645 25	
Sundries,	701 64	
		17,451 51
Deficiency, 1910,		133 47
Total expenses for maintenance,		$289,128 71

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1910,		$46,073 59
Appropriations for fiscal year,		18,900 00
Total,		$54,873 59
Expended during the year (see statement annexed),	$48,592 41	
Reverting to treasury of Commonwealth,	1 69	
		48,594 10
Balance Nov. 30, 1911,		$16,279 49

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	$7,069 91	
November cash vouchers (paid from advance money),	12,930 09	
Due from treasury of Commonwealth account November, 1911, schedule,	1,699 58	
		$21,699 58

Liabilities.

Schedule of November bills,	$21,699 58

PER CAPITA.

During the year the average number of inmates has been 1,127.36.
Total cost for maintenance, $289,128.71.
Equal to a weekly per capita cost of $4.929.
Receipts from sales, $1,676.77.
Equal to a weekly per capita of $0.028.
All other institution receipts, $82,186.91.
Equal to a weekly per capita of $1.40.

Special Appropriations.

Object.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Constructing and furnishing new building for acute insane,	Chapter 116, Acts 1908,	$60,000 00	$184 90	$59,998 31	$1 69[1]
Colony group for 100 women,	Chapter 152, Resolves 1910,	57,000 00	37,214 81	56,984 65	15 35
Sanatorium for tubercular women,	Chapter 152, Resolves 1910,	6,000 00	4,305 07	5,648 23	351 77
Sewage reservoir,	Chapter 152, Resolves 1910,	4,000 00	3,865 35	3,865 35	134 65
Remodeling cottages A and B,	Chapter 126, Resolves 1911,	15,000 00	2,268 88	2,268 88	12,731 12
Veranda,	Chapter 126, Resolves 1911,	2,000 00	753 40	753 40	1,246 60
Extension of sewage beds,	Chapter 126, Resolves 1911,	1,900 00	–	–	1,900 00
		$145,900 00	$48,592 41	$129,518 82	$16,379 49

[1] Reverting to treasury of the Commonwealth.

Respectfully submitted,

H. L. DAVENPORT,
Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,
Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[Form prescribed by the State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.			Voluntary, not Insane.			Temporary Care.			Inebriates.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1910,	400	619	1,019	5	5	10	–	–	–	–	12	12	405	636	1,041
Viz.: regularly committed,	388	595	983	–	–	–	–	–	–	–	12	12	388	607	995
emergency,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
voluntary,	12	24	36	5	5	10	–	–	–	–	–	–	17	29	46
temporary care,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Admitted within the year,	304	397	701	6	22	28	4	1	5	1	31	32	315	451	766
Viz.: by regular commitment,[1]	211	252	463	–	–	–	–	–	–	1	19	20	212	271	483
emergency,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
voluntary,	24	31	55	2	13	15	–	–	–	–	–	–	26	44	70
temporary care,	–	–	–	–	–	–	4	1	5	–	–	–	4	1	5
viz.: observation,	–	–	–	–	–	–	4	1	5	–	–	–	4	1	5
others,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
by transfer,	8	24	32	–	2	2	–	–	–	–	–	–	8	26	34
from visit,	12	18	30	–	–	–	–	–	–	–	3	3	12	21	33
from escape,	2	–	2	–	–	–	–	–	–	–	1	1	2	1	3
nominal admissions for discharge,	47	72	119	4	7	11	–	–	–	–	8	8	51	87	138
Viz.: from visit,	47	72	119	4	7	11	–	–	–	–	8	8	51	87	138
from escape,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Whole number of cases within the year,	704	1,016	1,720	11	27	38	4	1	5	1	43	44	720	1,087	1,807
Dismissed within the year,	254	359	613	8	20	28	4	1	5	1	31	32	267	411	678
Viz.: discharged,	119	149	268	5	9	14	4	1	5	1	21	22	129	180	309
as recovered,	46	62	108	–	–	–	–	–	–	–	–	–	46	62	108
as capable of self-support,	29	32	61	–	–	–	–	–	–	–	–	–	29	32	61
as improved,	14	30	44	–	–	–	1	1	2	–	–	–	15	31	46
as not improved,	30	25	55	–	–	–	3	–	3	–	–	–	33	25	58
as not insane,	–	–	–	5	9	14	–	–	–	1	21	22	6	30	36
died,	65	66	131	–	1	1	–	–	–	–	–	–	65	67	132
transferred,	4	33	37	–	1	1	–	–	–	–	–	–	4	34	38
escaped,	2	3	5	–	–	–	–	–	–	–	1	1	2	4	6
on visit October 1,	64	108	172	2	9	11	–	–	–	–	8	8	66	125	191
Nominal dismissals for commitment,	–	–	–	1	–	1	–	–	–	–	1	1	1	1	2

[1] Voluntary at first, afterwards committed: male, 5; female, 4; total, 9.

1. — General Statistics of the Year — Concluded.

	Insane.			Voluntary, not Insane.			Temporary Care.			Inebriates.			Aggregates.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1911,	450	657	1,107	3	7	10	–	–	–	–	12	12	453	676	1,129
Viz.: regularly committed,	436	640	1,076	–	–	–	–	–	–	–	12	12	436	652	1,088
emergency,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
voluntary,	14	17	31	3	7	10	–	–	–	–	–	–	17	24	41
temporary care,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
supported as State patients,	344	453	797	2	5	7	–	–	–	–	8	8	346	466	812
supported as reimbursing patients,	31	61	92	–	–	–	–	–	–	–	–	–	31	61	92
supported as private patients,	75	143	218	1	2	3	–	–	–	–	4	4	76	149	225
Number of different persons within the year,	656	938	1,594	7	19	26	4	1	5	1	34	35	667	991	1,658
Number of different persons admitted,	257	322	579	2	15	17	4	1	5	1	22	23	263	359	622
Number of different persons admitted from the community,	235	282	517	2	13	15	4	1	5	1	18	19	241	313	554
Number of different persons dismissed,	207	285	492	4	13	17	4	1	5	1	23	24	215	321	536
Number of different persons dismissed to the community,	203	253	456	3	12	15	4	1	5	1	22	23	211	288	499
Number of different persons recovered,	46	62	108	–	–	–	–	–	–	–	–	–	46	62	108
Number of different persons capable of self-support,	29	32	61	–	–	–	–	–	–	–	–	–	29	32	61
Daily average number of patients,	435.21	636.39	1,071.60	3.67	6.92	10.59	–	–	–	.06	16.12	16.18	438.94	659.43	1,098.37
Viz.: State patients,	333.76	433.28	767.04	2.42	3.68	6.10	–	–	–	–	14.09	14.09	336.18	451.05	787.23
reimbursing patients,	25.63	60.21	85.84	–	–	–	–	–	–	–	–	–	25.63	60.21	85.84
private patients,	75.82	142.90	218.72	1.25	3.24	4.49	–	–	–	.06	2.03	2.09	77.13	148.17	225.30
Whole number of emergency admissions,	–	–	–	–	–	–	–	–	–	–	–	–	5	4	9
Whole number of voluntary admissions,	–	–	–	–	–	–	–	–	–	–	–	–	31	48	79
Daily average number of voluntary admissions,	–	–	–	–	–	–	–	–	–	–	–	–	17.37	33.30	50.67
Whole number of temporary care admissions,	–	–	–	–	–	–	–	–	–	–	–	–	7	10	17
Daily average number of temporary care patients,	–	–	–	–	–	–	–	–	–	–	–	–	.063	.046	.109

2. — Insane received on First and Subsequent Commitments.

NUMBER OF THE COMMITMENT.	Cases committed.		
	Males.	Females.	Totals.
First to this hospital,	208	244	452
Second to this hospital,	17	21	38
Third to this hospital,	9	13	22
Fourth to this hospital,	1	5	6
Total cases,	235	283	518
Total persons,	235	282	517
Never before in any hospital for the insane,	191	208	399

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	Males.			Females.			Totals.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	76	41	38	86	40	46	162	81	84
Other New England States,	26	23	29	30	30	26	56	53	55
Other States,	17	7	9	12	6	10	29	13	19
Total native,	119	71	76	128	76	82	247	147	158
Armenia,	1	1	1	–	–	–	1	1	1
Austria,	1	1	1	–	–	–	1	1	1
Belgium,	1	1	1	1	1	1	2	2	2
Canada,	18	17	18	25	25	26	43	42	44
Denmark,	–	–	–	1	1	1	1	1	1
England,	7	16	7	11	19	14	18	35	21
Finland,	–	–	–	2	2	2	2	2	2
France,	–	–	–	–	1	–	–	1	–
Germany,	1	3	2	2	4	3	3	7	5
Ireland,	19	43	44	24	48	50	43	91	94
Italy,	7	9	8	1	1	1	8	10	9
Newfoundland,	1	–	2	1	1	1	2	1	3
Norway,	1	–	–	1	1	1	2	1	1
Poland,	–	1	1	1	1	1	1	2	2
Portugal,	–	–	–	–	1	1	–	1	1
Russia,	11	11	11	4	5	5	15	16	16
Scotland,	3	4	6	1	6	3	4	10	9
Sweden,	–	–	–	2	2	2	2	2	2
Switzerland,	–	1	–	–	–	–	–	1	–
Turkey,	–	–	–	2	2	2	2	2	2
West Indies,	–	1	1	–	–	–	–	1	1
Total foreign,	71	109	103	79	121	114	150	230	217
Unknown,	1	11	12	1	11	12	2	22	24
Totals,	191	191	191	208	208	208	399	399	399

4. — Residence of Insane Persons admitted by Commitment.

PLACES.	First admitted to Any Hospital.			All Other Admissions.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	1	–	1	1	–	1
Berkshire County,	–	–	–	–	–	–
Bristol County,	1	3	4	1	–	1
Essex County,	6	3	9	3	2	5
Franklin County,	1	1	2	–	1	1
Hampden County,	1	–	1	–	–	–
Hampshire County,	–	–	–	–	–	–
Middlesex County,	83	74	157	12	25	37
Norfolk County,	13	28	41	7	6	13
Plymouth County,	3	3	6	–	1	1
Suffolk County,	56	56	112	14	26	40
Worcester County,	25	36	61	4	13	17
From New Hampshire,	–	–	–	1	–	1
From New York,	–	1	1	–	–	–
From Kansas,	–	3	3	1	–	1
From Rhode Island,	1	–	1	–	–	–
Totals,	191	208	399	44	74	118
Cities and towns (10,000 and over),	151	148	299	31	59	90
Country districts (under 10,000),	40	60	100	13	15	28

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	94	95	189
Married,	71	77	148
Widowed,	24	34	58
Divorced,	1	2	3
Unknown,	1	–	1
Totals,	191	208	399

6. — Occupations of Insane Persons first admitted to Any Hospital.

MALES.

Agent,	7	None,	27
Baker,	1	Operative,	6
Blacksmith,	2	Painter,	2
Bookkeeper,	4	Pedler,	1
Brush maker,	2	Photographer,	1
Carpenter,	6	Physician,	1
Chauffeur,	1	Plumber,	2
Cigar maker,	1	Porter,	2
Clergyman,	1	Printer,	2
Clerk,	8	Professional walker,	1
Coachman,	2	Rubber worker,	2
Conductor,	1	Salesman,	6
Cook,	2	Sail maker,	1
Dentist,	1	School boy,	3
Engineer,	2	Shipper,	1
Farmer,	8	Shoe worker,	11
Fireman,	1	Steam-fitter,	3
Freight handler,	1	Stone mason,	6
Gardner,	6	Student,	4
Inventor,	1	Teamster,	1
Janitor,	2	Undertaker,	1
Kitchen work,	1	Waiter,	2
Laborer,	25	Watchmaker,	2
Machinist,	6	Watchman,	2
Manager of ice company,	1	Weaver,	4
Mechanic,	1		
Merchant,	3	Total,	191

6. — Occupations of Insane Persons admitted by Commitment.

	FEM	IRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.		
		les.	Females.	Totals.	Males.	Females.	Totals.
Attendant,	1	1	–	1	1	–	1
Book agent,		–	–	–	–	–	–
Clerk,		1	3	4	1	–	1
Chiropodist,		6	3	9	3	2	5
Deaconess,		1	1	2	–	1	1
Domestic,	1	1	–	1	–	–	–
Dressmaker,			–	–	–	–	–
Embroiderer,	1		74	157	12	25	37
Factory employee,	4	Stenographer,					2
Housekeeper,	13	Student,					3
Housewife,	65	Waitress,					4
Housework,	20	Weaver,					1
Laundress,	3	Vio					1
Music teacher,							
None,	3						208

51 17 4 28

7. — Ages of the Insane at First Attack, Admission o

AGES.	First admitted to Any Hospital.						
	At first attack.			When admitted.			At
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.
Congenital,	8	10	18	–	–	–	–
15 years and less,	3	4	7	3	5	8	–
From 15 to 20 years,	3	7	10	10	5	15	–
20 to 25 years,	16	16	32	18	–	37	–
25 to 30 years,	14	27	41	15	3	44	2
30 to 35 years,	14	17	31	19		45	1
35 to 40 years,	18	18	36	2[illegible]	21	40	5
40 to 50 years,	25	29	54	110	12	73	8
50 to 60 years,	32	27	59	399	[illegible]	62	16
60 to 70 years,	17	11	28		4	38	9
70 to 80 years,	9	11	20		15	27	11
Over 80 years,	4	3	7		4	10	3
Totals,	163	180	343	191	208	399	55
Unknown,	28	28	56	–	–	–	10
Totals,	191	208	399	191	208	399	65
Mean known ages (in years),	43.60	40.86	42.23	43.80	41.44	42.62	57.40

6. — Occupations of Insane Persons.

	Males.	Females.	Totals.
Agent,	7	4	11
Baker,	1	7	28
Blacksmith,	2	17	29
Bookkeeper,	4	15	30
Brush maker,	2	16	18
Carpenter,	6	27	131
Chauffeur,	1	11	–
Cigar maker,	1	8	131
	57.09	57.25	62.05

8. — Probable Causes of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	Admitted.			Predisposing Causes.								
				Hereditary Tendency.			Neurotic Tendency.			Alcoholism.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical: —												
Alcoholism,	43	8	51	7	1	8	4	1	5	40	6	46
Apoplexy,	8	9	17	–	–	–	–	1	1	–	–	–
Arrested development,	1	3	4	–	–	–	–	–	–	–	–	–
Arteriosclerosis,	22	6	28	3	3	6	3	1	4	–	–	–
Carcinoma,	1	–	1	–	–	–	–	–	–	–	–	–
Cerebral tumor,	–	1	1	–	–	–	–	–	–	–	–	–
Childbirth,	–	1	1	–	–	–	–	–	–	–	–	–
Congenital,	8	10	18	–	–	–	–	–	–	–	–	–
Deprivation,	–	2	2	–	–	–	–	1	1	–	–	–
Dissipation,	3	3	6	2	1	3	–	–	–	–	1	1
Drug addiction,	1	1	2	–	–	–	–	–	–	–	–	–
Epilepsy,	3	3	6	–	–	–	1	–	1	–	–	–
Ill health,	3	15	18	2	4	6	–	3	3	–	–	–
La grippe,	–	1	1	–	–	–	–	–	–	–	–	–
Menopause,	–	9	9	–	4	4	–	3	3	–	–	–
Operation,	–	1	1	–	1	1	–	–	–	–	–	–

Overwork,	6	10	16	3	4	7	2	4	6	–	–	–
Pregnancy,	–	1	1	–	–	–	–	–	–	–	–	–
Puerperium,	–	3	3	–	–	–	–	–	–	–	–	–
Pulmonary tuberculosis,	1	–	1	–	–	–	–	–	–	–	–	–
Senility,	12	18	30	–	–	–	–	–	–	–	–	–
Syphilis,	19	5	24	1	1	2	–	–	–	–	–	–
Trauma,	3	–	3	–	–	–	1	–	1	–	–	–
Mental: —												
Fright,	1	1	2	–	–	–	–	–	–	–	–	–
Grief,	1	2	3	–	1	1	–	–	–	–	–	–
Worry,	14	26	40	3	7	10	6	11	17	–	–	–
Totals,	150	139	289	21	27	48	17	25	42	40	7	47
Unknown,	41	69	110	12	17	29	12	17	29	–	–	–
Totals,	191	208	399	33	44	77	29	42	71	40	7	47

9. — Probable Duration of Mental Diseases before Admission.

PREVIOUS DURATION.	First admitted to Any Hospital.		
	Males.	Females.	Totals.
Congenital,	8	10	18
Under 1 month,	41	46	87
From 1 to 3 months,	23	26	49
3 to 6 months,	27	28	55
6 to 12 months,	12	14	26
1 to 2 years,	23	17	40
2 to 5 years,	20	26	46
5 to 10 years,	8	7	15
10 to 20 years,	1	6	7
Over 20 years,	–	–	–
Totals,	163	180	343
Unknown,	28	28	56
Totals,	191	208	399
Average known duration (in years),	1.93	2.71	2.32

10. — Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharged and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																					
Alcoholic insanity, acute,	28	1	29	12	2	14	1	–	1	2	–	2	2	–	2	1	–	1	18	2	20
Alcoholic insanity, chronic,	10	5	15	–	–	–	3	–	3	–	–	–	2	–	2	1	2	3	6	2	8
Alzheimer's disease,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Constitutional mental inferiority,	–	2	2	–	–	–	–	1	1	–	–	–	–	1	1	–	–	–	–	2	2
Chronic neurasthenia,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Dementia, organic,	29	17	46	–	–	–	1	2	3	–	–	–	6	–	6	22	15	37	29	17	46
Dementia præcox,	36	64	100	4	5	9	5	8	13	7	5	12	6	6	12	1	2	3	23	26	49
Dementia, senile,	13	18	31	–	–	–	2	–	2	1	1	2	1	2	3	11	19	30	15	22	37
Epileptic insanity,	3	3	6	–	–	–	–	–	–	–	–	–	1	–	1	1	1	2	2	1	3
Exhaustion psychosis,	1	2	3	–	2	2	–	–	–	–	–	–	–	–	–	1	3	4	1	5	6
General paresis,	21	5	26	–	–	–	–	–	–	2	–	2	2	1	3	10	4	14	14	5	19
Hysterical insanity,	1	1	2	–	–	–	–	–	–	–	–	–	2	–	2	–	–	–	2	–	2
Imbecility,	9	12	21	–	–	–	1	–	1	–	1	1	4	–	4	–	–	–	5	1	6
Infection psychosis,	2	1	3	–	–	–	–	–	–	–	–	–	–	–	–	2	1	3	2	1	3
Involution melancholia,	4	8	12	2	7	9	2	2	4	–	4	4	–	2	2	1	2	3	5	17	22
Korsakow's psychosis,	4	1	5	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Manic depressive,	20	50	70	13	30	43	2	6	8	1	5	6	1	3	4	–	1	1	17	45	62
Myxœdema,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Paranoia,	2	3	5	–	–	–	–	2	2	–	–	–	1	–	1	1	–	1	2	2	4
Psychasthenia,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Syphilitic insanity,	3	2	5	–	–	–	–	–	–	–	–	–	–	–	–	–	2	2	–	2	2
Toxic insanity, acute,	–	1	1	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2
Toxic insanity, chronic,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1
Traumatic delirium,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Traumatic insanity,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1
Undiagnosed,	1	11	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total A,	191	208	399	34	48	82	18	21	39	13	16	29	28	17	45	53	52	105	146	154	300

10. — Form of Mental Disease in Patients admitted or discharged, with their Condition on Discharge, or died — Concluded.

FORM OF DISEASE.	Committed.			Discharged.																	
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.			Died.			Total Discharges and Deaths.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —																					
Alcoholic insanity, acute,	5	2	7	2	–	2	–	1	1	–	–	–	–	–	–	–	–	–	2	1	3
Alcoholic insanity, chronic,	2	1	3	1	–	1	2	–	2	–	–	–	–	–	–	1	–	1	4	–	4
Chronic neurasthenia,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Dementia, organic,	3	1	4	–	–	–	–	–	–	–	–	–	–	–	–	1	6	7	1	6	7
Dementia præcox,	13	29	42	2	–	2	4	2	6	–	2	2	–	2	2	1	3	4	7	9	16
Dementia, senile,	1	1	2	–	–	–	–	–	–	–	2	2	1	1	2	1	3	4	2	6	8
Epileptic insanity,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General paresis,	5	–	5	–	–	–	–	–	–	–	–	–	–	–	–	6	–	6	6	–	6
Hysterical insanity,	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1
Imbecility,	1	–	1	–	–	–	–	–	–	–	2	2	1	–	1	–	–	–	1	2	3
Infection psychosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Involution melancholia,	1	4	5	–	–	–	–	–	–	–	1	1	–	–	–	1	–	1	1	1	2
Manic depressive,	12	28	40	7	14	21	5	6	11	1	6	7	–	3	3	1	1	2	14	30	44
Paranoia,	–	3	3	–	–	–	–	1	1	–	1	1	–	1	1	–	–	–	–	3	3
Undiagnosed,	–	3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total B,	44	75	119	12	14	26	11	11	22	1	14	15	2	8	10	12	14	26	38	61	99
Aggregate cases,	235	283	518	46	62	108	29	32	61	14	30	44	30	25	55	65	66	131	184	215	399
Aggregate persons,	235	282	517	46	62	108	29	32	61	14	30	44	30	25	55	65	66	131	184	215	399

11. — Discharges of the Insane, classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Capable of Self-support.			Improved.			Not improved.			Deaths.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	38	53	91	21	24	45	13	24	37	29	20	49	57	64	121	158	185	343
Second to this hospital,	6	8	14	4	5	9	1	4	5	1	3	4	7	2	9	19	22	41
Third to this hospital,	1	1	2	1	1	2	–	1	1	–	1	1	1	–	1	3	4	7
Fourth to this hospital,	1	–	1	1	1	2	–	–	–	–	1	1	–	–	–	2	2	4
Fifth to this hospital,	–	–	–	2	1	3	–	1	1	–	–	–	–	–	–	2	2	4
Total cases,	46	62	108	29	32	61	14	30	44	30	25	55	65	66	131	184	215	399
Total persons,	46	62	108	29	32	61	14	30	44	30	25	55	65	66	131	184	215	399
First admitted to any hospital,	34	48	82	18	21	39	12	16	28	27	17	44	53	52	105	144	154	298

12. — Causes of Death, and Form of Mental Disease in Persons who died.

CAUSES.	Aggregates.			Manic Depressive.			Dementia Præcox.			Alcoholic Insanity (Acute).			Alcoholic Insanity (Chronic).			Organic Dementia.			Senile Dementia.			Alzheimer's Disease.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Bulbar paralysis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Cerebral apoplexy,	4	9	13	–	–	–	–	–	–	–	–	–	–	1	1	3	5	8	–	1	1	–	–	–
Cerebral congestion,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral tumor,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Congestive seizures of general paresis,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epileptiform convulsions,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	–	–	–	–	–	–
Exhaustion of alcoholic insanity,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Exhaustion of general paresis,	10	3	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of organic dementia,	6	7	13	–	–	–	–	–	–	–	–	–	–	–	–	6	7	13	–	–	–	–	–	–
Exhaustion of senile dementia,	5	8	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	8	13	–	–	–
Pachymeningitis hemorrhagica interna,	2	2	4	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2	–	1	1	–	–	–
Purulent cerebro-spinal meningitis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Syphilitic encephalitis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Syphilitic encephalitis and cerebral apoplexy,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Respiratory system: —																								
Pneumonia, broncho,	4	3	7	1	–	1	–	–	–	–	–	–	–	–	–	1	1	2	1	2	3	–	–	–
Pneumonia, lobar,	6	6	12	–	–	–	–	–	–	–	–	–	–	–	–	2	2	4	2	4	6	1	–	1
Phthisis pulmonalis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																								
Acute dilatation of heart,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Aortic stenosis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Cardiac dilatation and aortic stenosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Myocarditis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Organic heart disease,	2	2	4	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2	1	1	2	–	–	–
Pyemia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sapræmia,	2	–	2	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–
Septicæmia,	2	–	2	–	–	–	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Senile gangrene,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Digestive system: —																								
Acute enteritis,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Carcinoma of liver,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of pancreas,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of pylorus,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Carcinoma of rectum,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Carcinoma of stomach and small intestines,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Hematemesis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Perforating gastric ulcer,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Perforation of stomach and peritonitis,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic diffuse nephritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Interstitial nephritis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
General: —																								
Asphyxia by hanging,	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cardiac hypertrophy and chronic interstitial nephritis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Cerebral apoplexy and pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Chronic interstitial nephritis and bronchitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
General tuberculosis,	–	3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease and acute gastritis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease and nephritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heat prostration,	2	–	2	–	–	–	1	–	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Myocarditis and pneumonia,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Osteitis deformans and aortic stenosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Psoas abscess and tuberculous pyelonephritis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sarcoma of dura and pia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Septicæmia and acute enteritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Septic lobar pneumonia and arthritis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Phthisis pulmonalis and enteritis,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	65	67	132	1	2	3	2	5	7	1	–	1	2	2	4	22	20	42	13	23	36	1	–	1

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	General Paresis.			Exhaustion Psychosis.			Infection Psychosis.			Syphilitic Insanity.			Involution Melancholia.			Paranoia.			Epileptic Insanity.			Not Insane.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																								
Bulbar paralysis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	1	–	1	–	1	1
Cerebral congestion,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral tumor,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Congestive seizures of general paresis,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epileptiform convulsions,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of alcoholic insanity,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of general paresis,	10	3	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of organic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion of senile dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pachymeningitis hemorrhagica interna,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Purulent cerebro-spinal meningitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Syphilitic encephalitis,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Syphilitic encephalitis and cerebral apoplexy,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system: —																								
Pneumonia, broncho,	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, lobar,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Phthisis pulmonalis,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																								
Acute dilatation of heart,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aortic stenosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cardiac dilatation and aortic stenosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Organic heart disease,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pyemia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sapræmia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Septicæmia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Senile gangrene,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–

Digestive system: —																								
Acute enteritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Carcinoma of liver,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of pancreas,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of pylorus,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of rectum,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Carcinoma of stomach and small intestines,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hematemesis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Perforating gastric ulcer,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Perforation of stomach and peritonitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Genito-urinary system: —																								
Chronic diffuse nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–
Interstitial nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General: —																								
Asphyxia by hanging,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cardiac hypertrophy and chronic interstitial nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral apoplexy and pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic interstitial nephritis and bronchitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General tuberculosis,	–	1	1	–	1	1	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease and acute gastritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heart disease and nephritis,	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Heat prostration,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Myocarditis and pneumonia,	–	–	–	–	1	1	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Osteitis deformans and aortic stenosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Psoas abscess and tuberculous pyelonephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Sarcoma of dura and pia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Septicæmia and acute enteritis,	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Septic lobar pneumonia and arthritis,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Phthisis pulmonalis and enteritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	16	4	20	1	3	4	2	2	4	–	2	2	2	2	4	1	–	1	1	1	2	–	1	1

13. — Duration of Mental Disease and its Treatment in Patients recovered, and died.

PERIOD.	First admitted to Any Hospital.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known duration of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month,	18	16	34	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	4	10	14	17	15	32	7	7	14	1	–	1	6	2	8
3 to 6 months,	5	10	15	11	13	24	12	8	20	3	2	5	2	3	5
6 to 12 months,	3	4	7	6	11	17	9	13	22	–	2	2	2	4	6
1 to 2 years,	1	1	2	–	8	8	3	13	16	1	2	3	1	2	3
2 to 5 years,	–	3	3	–	–	–	–	3	3	1	–	1	1	2	3
5 to 10 years,	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1
10 to 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Over 20 years,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	31	44	75	34	48	82	31	44	75	6	6	12	12	14	26
Unknown,	3	4	7	–	–	–	3	4	7	6	8	14	–	–	–
Totals,	34	48	82	34	48	82	34	48	82	12	14	26	12	14	26
Average of known cases (in months),	2.07	4.97	3.52	3.41	6.48	4.95	5.48	11.45	8.47	13.33	9.5	11.41	8.08	17.14	12.61

B. — Died: —															
Under 1 month,	10	10	20	18	8	26	5	1	6	–	–	–	1	1	2
From 1 to 3 months,	4	9	13	8	9	17	3	5	8	–	–	–	2	2	4
3 to 6 months,	7	2	9	5	7	12	4	5	9	–	1	1	1	–	1
6 to 12 months,	2	3	5	6	3	9	3	4	7	1	1	2	–	4	4
1 to 2 years,	10	5	15	5	10	15	11	4	15	3	3	6	4	3	7
2 to 5 years,	9	10	19	8	10	18	11	14	25	1	3	4	1	–	1
5 to 10 years,	3	3	6	2	3	5	7	7	14	3	–	3	2	1	3
10 to 20 years,	–	–	–	1	–	1	1	–	1	–	–	–	1	–	1
Over 20 years,	–	–	–	–	2	2	–	2	2	1	3	4	–	3	3
Totals,	45	42	87	53	52	105	45	42	87	9	11	20	12	14	26
Unknown,	8	10	18	–	–	–	8	10	18	3	3	6	–	–	–
Totals,	53	52	105	53	52	105	53	52	105	12	14	26	12	14	26
Average of known cases (in months),	15.37	14.71	15.04	14.57	27.90	21.23	29.94	42.61	36.27	69.22	117.72	93.47	36.75	73.86	55.30

GOODS MADE AND REPAIRED IN THE SEWING ROOM

For the Year ending Nov. 30, 1911.

962 aprons, white.
52 aprons, waiters.
134 aprons, colored.
46 aprons, ticking.
6 aprons, carpenter.
6 aprons, canvas.
24 aprons, bagging.
10 bags, tea and coffee.
84 bags, laundry.
8 bags,laundry, repaired.
82 bags, individual.
5 bags, canton flannel for silver.
1 bag, mail.
12 bags, needle for operating room.
5 bath mats.
60 bedspreads repaired,
18 bed socks.
372 bed pads.
35 bed pads repaired.
26 bandages, surgical.
42 bibs.
1,270 blankets bound and tagged.
181 blankets repaired.
10 bread cloths.
12 canvas bed sheets with jackets.
183 canvas bed sheets with jackets repaired.
4 canvas bath tub covers.
9 canvas bath tub covers repaired.
4 canvas pack covers.
15 canvas pack covers repaired.
18 canvas camisoles.
125 canvas camisoles repaired.
6 canvas combination suits.
9 canvas combination suits repaired.
4 canvas muffs.
16 canvas muffs repaired.
3 canvas mittens.
12 canvas anklets.
8 canvas mattress covers.
2 canvas pillow covers.
2 canvas bed socks.
5 canvas cots repaired.
12 caps tagged.
15 cotton rings.
271 coats repaired.
220 curtains, shade.
60 curtains, shade, repaired.
42 pairs curtains, drapery.
34 curtains, lace, repaired.
8 curtains, ticking.
183 curtains, sash.
36 curtains, screen.
7 curtains for hen house.
2 cushions, chair.
1 cushion, wagon.
331 chemises.
8 corset covers.
43 dresses, cotton.
20 dresses, cotton, repaired.
2 dresses, wool.
7 dresses, wool, repaired.
128 dresses, strong.
604 dresses, strong, repaired.
5 dress waists altered.
9 dress waists.
3 dress skirts.
2 dress skirts altered.
323 pairs drawers.
114 dusters.
26 hours flag repairing.
6 horse blankets repaired.
54 jumpers tagged.
91 kimonos.
199 linen table cloths, white.
14 linen table cloths, colored.
184 linen shams.
256 linen bureau scarfs.
30 linen napkins hemmed.
30 linen stand covers.
121 night dresses, bleached.
1,408 night dresses, unbleached.
18 night dresses, short.

1,884 napkins, sanitary.
36 overalls tagged.
1 piano cover.
192 pillow slips, bleached.
2,014 pillow slips, unbleached.
120 restraint lacings.
48 restraint straps.
228 rugs bound.
117 rugs repaired.
3 silence cloths.
12 strong blankets.
2 surgical sheets.
4 surgical stockings.
3 surgical gowns.
431 pair socks tagged.
724 sheets, bleached.
4,044 sheets, unbleached.
661 shirts, outing.
121 shirts, night, bleached.
1,408 shirts, night, unbleached.
24 shirts, night, short.
36 skirts, long.
208 skirts, short.
75 ticks, pillow.
2 ticks, chair cushion.
267 ticks, mattress.
70 trousers repaired.
114 towels, roller, long.
5,285 towels, roller, short.
417 towels, glass.
2,930 towels, dish.
40 towels, side.
476 towels, hand.
192 wrappers.
90 wrappers repaired.

PRODUCTS OF THE FARM

Dec. 1, 1910, to Nov. 30, 1911.

Apples, 795 barrels,	$1,987 50
Apples, crab, 14 bushels,	12 50
Asparagus, 14½ boxes,	50 75
Beans, string, green, 167¼ bushels,	150 52
Beans, string, 72 bushels,	57 60
Beans, shell, 84½ bushels,	114 07
Beets, 534 bushels,	320 40
Beet greens, 77 bushels,	26 95
Broilers, 10½ pounds,	5 75
Cabbage, 28 tons,	700 00
Carrots, 428 bushels,	321 00
Cauliflower, 1 box,	1 25
Celery, 94½ boxes,	85 05
Chard, 724 bushels,	289 60
Chicken, 369½ pounds,	84 99
Corn, green, 1,795½ bushels,	179 55
Cress, 3⅚ bushels,	1 90
Cucumbers, 189¾ boxes,	142 31
Duck, 61½ pounds,	11 07
Eggs, 3,537 5/12 dozen,	1,061 23
Egg plant, 1 barrel,	2 00
Fowl, 102 pounds,	15 30
Ice, 855 tons,	2,565 00
Kahlrabi, 38 bushels,	19 00
Kale, 283 bushels,	84 90
Leeks, 60 bushels,	21 00
Lettuce, 147½ boxes,	73 75
Milk, 371,678 quarts,	22,300 68
Mushrooms, 127½ pounds,	127 50
Onions, 46¼ bushels,	50 88
Parsley, 1 bushel,	50
Parsnips, 491 bushels,	368 25
Pears, 219½ bushels,	219 50
Amount carried forward,	$31,452 25

Amount brought forward,	$31,452 25
Peas, 92½ bushels,	185 00
Pe Teai, 138 bushels,	55 20
Pork, 39,536½ pounds,	3,558 29
Plums, 30 baskets,	9 00
Potatoes, 825½ bushels,	742 95
Pumpkins, 15 pounds,	45
Radishes, 642 dozen bunches,	192 60
Rhubarb, 7,911 pounds,	158 22
Salsify, 60 bushels,	60 00
Spinach, 353 bushels,	141 20
Squash, winter, 17 tons,	595 00
Squash, summer, 44 barrels,	44 00
Tomatoes, ripe, 400 bushels,	300 00
Tomatoes, green, 35 bushels,	17 50
Turnips, 252 barrels,	277 20
Veal, 607 pounds,	66 77
English hay, 170 tons,	3,570 00
Meadow hay, 40 tons,	480 00
Ensilage, 700 tons,	2,800 00
Green feed, 203 tons,	1,015 00
Cabbage fodder, 12 tons,	144 00
Rye fodder, 2 tons,	10 00
Rowen, 2 tons,	24 00
Mangel-wurzel, 14 tons,	112 00
Small potatoes, 110 bushels,	33 00
Wood, 25 cords,	112 50
Manure, 430 cords,	2,580 00
	$48,736 13

PRODUCTS ON HAND, NOV. 30, 1911.

Apples, 520 barrels,	$1,300 00
Beets, 355 bushels,	213 00
Cabbage, 16 tons,	400 00
Carrots, 288 bushels,	216 00
Celery, 75 dozen bunches,	67 50
English hay, 130 tons,	2,730 00
Ensilage, 585 tons,	2,340 00
Meadow hay, 35 tons,	420 00
Mangel-wurzel, 13½ tons,	108 00
Ice, 150 tons,	450 00
Leeks, 60 bushels,	21 00
Amount carried forward,	$8,265 50

Amount brought forward, ...	$8,265 50
Onions, 4 bushels, ...	4 40
Parsnips, 430 bushels, ...	322 50
Potatoes, 150 bushels, ...	135 00
Salsify, 60 bushels, ...	60 00
Squash, winter, 7 tons, ...	245 00
Turnips, 200 barrels, ...	220 00
Wood, 20 cords, ...	90 00
	$9,342 40

SUMMARY OF FARM ACCOUNT.

Dr.

To expenditures on farm account: —

Apple trees,	$42 40
Bedding for cattle,	686 32
Blacksmith's supplies,	243 92
Boar,	10 00
Board of Farmers,	4,736 25
Chickens,	60 80
Driving lamps,	13 97
Eggs for setting,	58 00
Farm machinery,	80 50
Fencing,	38 82
Fertilizers,	580 55
Gas sprayer supplies,	54 33
Harnesses,	85 50
Harness repairs and furnishings,	116 77
Harvesting supplies,	38 00
Hay and grain,	12,500 75
Horses,	590 00
House rent,	144 00
Incubators, brooders, etc.,	54 85
Ice plough and hooks,	39 05
Labor, carpenters on general repairs,	296 41
Labor, carpenters on poultry house,	247 26
Labor, engineers on general repairs,	83 15
Lumber, etc., on general repairs,	40 31
Lumber, etc., on poultry house,	96 07
Motor for ensilage,	206 51
Plaster,	99 67
Poultry yard wire, etc.,	24 03
Rent for Collins farm,	450 00
Seeds, etc.,	318 14
Sundries,	81 86
Swill,	638 45
Amount carried forward,	$22,756 64

Amount brought forward,	$22,756 64
Tools and implements,	300 62
Wages and board of attendant,	654 00
Wages of farmers,	8,880 86
	$32,592 12
Profit of the farm to balance,	13,326 98
	$45,919 10

Cr.

By food items, etc., furnished the hospital: —

Apples, 453 barrels,	$1,132 50
Apples, crab, 14 bushels,	12 50
Asparagus, 14½ boxes,	50 75
Beans, string, green, 167¼ bushels,	150 52
Beans, string, wax, 72 bushels,	57 60
Beans, shell, 84½ bushels,	114 07
Beets, 454¼ bushels,	272 55
Beet greens, 77 bushels,	26 95
Broilers, 10½ pounds,	2 84
Cabbage, 23 tons,	575 00
Carrots, 287¼ bushels,	215 44
Cauliflower, 1 box,	1 25
Celery, 113 boxes,	101 70
Chard, 724 bushels,	289 60
Chicken, 369½ pounds,	84 99
Corn, green, 1,795½ bushels,	179 55
Cress, 3⅚ bushels,	1 90
Cucumbers, 189¾ boxes,	142 31
Duck, 61½ pounds,	11 07
Eggs, 3,537⅚ dozen,	1,061 23
Egg plant, 1 barrel,	2 00
Fowl, 102 pounds,	15 30
Ice, 718 tons,	2,154 00
Kahlrabi, 38 bushels,	19 00
Kale, 283 bushels,	84 90
Leeks, 31 bushels,	10 85
Lettuce, 147½ boxes,	73 75
Milk, 371,678 quarts,	22,300 68
Mushrooms, 127½ pounds,	127 50
Onions, 65 bushels,	71 50
Parsley, 1 bushel,	50
Amount carried forward,	$29,344 30

Amount brought forward,		$29,344 30
Parsnips, 466 bushels,		349 50
Peas, 92½ bushels,		185 00
Pears, 219½ bushels,		219 50
Pe Teai, 138 bushels,		55 20
Plums, 30 baskets,		9 00
Pork, 39,536½ pounds,		3,558 29
Potatoes, 675½ bushels,		787 95
Pumpkins, 15 pounds,		45
Radishes, 642 dozen bunches,		192 60
Rhubarb, 7,911 pounds,		158 22
Salsify, 25½ bushels,		25 50
Spinach, 353 bushels,		141 20
Squash, winter, 15⅓ tons,		536 67
Squash, summer, 44 barrels,		44 00
Tomatoes, 400 bushels,		300 00
Tomatoes, green, 35 bushels,		17 50
Turnips, 310 barrels,		341 00
Veal, 607 pounds,		66 77
Corn, 7 bags,		8 95
Grease, 5,977 pounds,		119 54
Hay, 10¾ tons,		215 00
Labor, men, 1,870 days,		3,272 50
Labor, teams, 1,571 days,		4,320 25
Linseed, 300 pounds,		5 65
Mix feed, ¼ ton,		7 20
Manure, 20 cords,		100 00
Oats, 794 bushels,		387 31
Shoeing, repairing, etc.,		729 85
Straw, 3,960 pounds,		25 73
Sales: —		
Calves,	$138 00	
Hides,	27 00	
Pigs,	9 00	
Ice,	123 50	
Shoeing oxen,	19 25	
Plants,	6 00	
Grain sacks,	71 72	
		394 47
		$45,919 10